

DMNR in the EN-2000

This document discusses implementation of dynamic mobile network routing (DMNR) in the EN-2000.

7.1 Setting Up DMNR

Note: Get all parameter values from your network administrator.

- 1 On the EN-2000 management system, select the **Network** tab.
- 2 Then select the DMNR tab.
 - The DMNR Configuration Screen is displayed (Figure 7-1).

THE REAL PROPERTY AND ADDRESS OF THE OWNER.				
nterfaces Hostnames Static Routes Fa	lover Firewall Diagnostics QoS VPN VRR	DMNR	<u>12</u> 12	
MNR Configuration				
ofigure DMNR				
DMNR Parameters				
DMNR Enabled	Yes			
Authorization Key	VzWNeMo			
Home Agent	66.77.88.99			
Lifetime	65534			
SPI	256			
Home IP Address	1.2.3.4			
Mode	Backup			
Test IP Address	192.168.1.1			
	Test IP Address			
Retry timer	10			
Periodic timer	60			
Error count	ą			
DMNR Prefix Table				
Static routes must be added for each prefix under	er the Network->Static routs tab			
1Pv4-Prefix	IPv4-Gateway		Ping IP	
IP Prefix with Hask 10.100.100.0/24	10.100.100.4	10.100.100.1	IP address to Fing	N Delete
10.80.1.0/24	[10.100.100.2	10.80.1.1		N Delete
10.4.2.0/24	10.100.100.2	10.100.100.1		M Delete
10.200.200.0/24	10.100.100.2	10.200.200.2		N Delete
Add				

Figure 7-1. DMNR Configuration Screen

- **3** On the DMNR Configuration Screen, under the heading **DMNR Parameters**, configure the following items:
 - DMNR Enabled Yes

 Authorization Key 	A character string used for access to the mobile network. Get this value from your network administrator.			
Home Agent	IP address for registering the mobile device on the mobile network. Get this value from your network administrator.			
Lifetime	Number of seconds until the authorization key expires. Get this value from your network administrator.			
• SPI	The security parameter index. Get this value from your network administrator.			
Home IP Address	Consult your network administrator for the value tuse.			
• Mode	Primary if the cellular wireless connection is the default route			
	Note: If this connection fails, the Ethernet connection is used immediately.			
	Backup if the Ethernet connection is the default route			
	Note: If this connection fails, the cellular wireless connection is used immediately.			
Test IP Address	The IP address to use for testing the cellular wireless connection			
	Note: This parameter is displayed only if the Mode is Backup .			
Retry Timer	The number of seconds to wait after sending a registration request before sending another registration request			
Periodic Timer	The number of seconds to wait after timing out before starting another set of registration requests			
Error Count	The maximum number of times to request registration before timing out			

- 4 Under the heading DMNR Prefix Table, view the prefix table.
- **5** Do one of the following:
- **a** If you wish to modify a record, make the changes in one or more fields of that record.
- **b** If you wish to delete a record, select the **Delete** button at the far right of that record.
- **c** If you wish to add a record, select the **Add** button at the lower left of the screen.

♦ A new, empty record is displayed. Perform step 5 for that new record.

- 6 When you have finished configuring the DMNR parameters and prefix table, select the **Save & Apply** button.
 - The changes are saved and are used immediately.

- 7 On the EN-2000 management system, select the **Network** tab.
- 8 Then select the Static Routes tab.

The Static Routes Screen is displayed (Figure 7-2).

Figure 7-2. Static Routes Screen

Ratus System	Network Legour Qu									
nterfaces Hostna	Static Routes	er Firewall Diagnostics Q	OS VPN VRRP DMNR							
Routes										
Static IPv4 Ro		a certain host or network can	be reached.							
Interface 🖷	Target Host-IP or Network	IPv4-Netmask # target is a retwork	IPv4-Gateway		Metric.	МТО				
vzw_4G	▼ 66.174.250.1	255 255 255 255	0.0.0	þ	1500		💌 Delete			
lan	10 200 200 0	255.255.255.0	10.100.100.2	p	1500		🗶 Delete			
lan	10.80.1.0	255 255 255 0	10.100.100.2	p	1500		H) Delete			
lan	10.4.2.0	255 255 255 0	10.100.100.2	p	1500		🐑 Delete			
Add										
Static IPv6 Ro	utes									
Inter	face 🖻	Target IPv6-Address or National	(CIDR)	19	v6-Gateway	Metric	мти			
Add			This section contains no values ye	e						

- **9** Under the heading **Static I Pv4 Routes**, view the static routing table.
- **10** Do one of the following to configure a static route for each entry in the DMNR Prefix Table (recall Figure 7-1):
 - **a** If you wish to modify a record, make the changes in one or more fields of that record.
 - **b** If you wish to delete a record, select the **Delete** button at the far right of that record.
 - **c** If you wish to add a record, select the **Add** button at the lower left of the screen.

A new, empty record is displayed. Perform step 10 for that new record.

- 11 When you have finished configuring the static routing table, select the Save & Apply button.
 - The changes are saved and are used immediately.