Setting up a Private Channel

The ENPS server communicates to ENPS clients through broadcast messages sent via either UDP or Multicast. In most instances, this communication is reliable and robust. However, it does not guarantee that all packets will be delivered to particular clients. For mission-critical workstations, you can consider establishing private channels.

A workstation with a private channel receives updates from the NOM via guaranteed TCP packets. You can use private channels if a workstation has trouble connecting to the Primary Server or if you want to have extra assurance that mission-critical workstations receive updates.

NOTE: Private channels should be implemented sparingly. As TCP/IP is a more network-intensive mode of communication, we usually recommend a maximum of 10 private channels per ENPS server.

Complete the following steps to create a private channel:

1. Find the MAC address for the workstation you want to connect via private channel by opening the ENPS client and clicking the ENPS logo in the top left corner of the screen.

2. Select **Fourth Folder rover → System Maintenance → MAC Addresses**. Click *New* to create a new entry. Enter the following information:

Field	Description
ID	Workstation's MAC address. Because MAC addresses vary for computers accessing via dial-up PPP this field may also contain a list of pre-authorized dial-up IP addresses or IP ranges separated by semicolons.
Server	NetBIOS machine name for the server to which the workstation will connect.
Private Channels	Re-enter the NetBIOS server name. In rare cases when updates from multiple servers are required you can enter multiple server names separated by a semicolon. There should be no more than ten Private Channels for each pair of Primary and Buddy Servers.
AcctCode	The field cannot be left blank. You can enter a single character such as a period "." or enter a unique number in this field that will help you identify the channel later.
Active	(checked)

3. Click *Save* and close the table.

4. If the Primary Server you are working on is not your organization's Central Server open NOM Maintenance and select **Window → Synchronization**. Click *Sync Now*. Then open the NOM and select **File → Reload Global tables**.

5.   Restart the ENPS client on the private channel workstation.If a private channel connection is lost, it will be re-established automatically. A dialog box will appear in the client stating that the connection was lost and suggesting that the open items (e.g., Rundowns, stories) be manually refreshed in case updates arrived during the connection loss.