
NMCI Deployable Seat

Remote Access Service (RAS Dialin) Procedures Document

For



Prepared By



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TABLE OF CONTENTS

Paragraph & Description Page

Title Page	i
Distribution List	ii
Revision History	ii
Table of Contents	iii

1.0 Introduction	1
1.1 NMCI CLIN 004AC Seat:.....	1
1.2 NMCI Environment.....	1
1.3 NMCI Deployed Environment.....	2
1.4 Background and Overview.....	2
2.0 Dialup Procedure.....	4
2.1 Setting Up PaL (Remote Dial-in software).....	4
2.1.1 Prerequisites needed for UUNET Dialin and access to the NMCI Network.....	4
2.1.2 Launch PaL Application.....	5
2.1.3 Start PaL Configuration.....	6
2.1.4 PAL Setup Tab.....	7
2.1.5 RAS General Settings.....	8
2.1.6 RAS Options.....	9
2.1.7 Save As Favorites.....	10
2.1.8 Dialing into UUNET using PaL.....	11
2.1.9 Verify UUNET Login information.....	12
2.1.10 Connect to UUNET.....	14
2.1.11 UUNET Connection/Login is complete.....	15

Appendix Description Page

1.0 Introduction

The NMCI enterprise Operating System environment is Microsoft Windows 2000 Active Directory. However, Windows NT is used in the USMC deployed environment. In preparation for the Marine Corps' transition to NMCI, MCTSSA has been tasked to perform a pilot implementation of an NMCI Seat in a deployed environment and document the procedure to accomplish this task. Dialin access to the NMCI Network is a requirement for Marine Corps units when deployed. As a result of this requirement, MCTSSA has been tasked to produce a Remote Access Service (RAS Dialin) Procedure for distribution to the fleet to guide them through the dialup process. This document is intended as a supplement to the NMCI ISF document titled Remote Access Service Getting Started (Steps 3 and 4) and is intended to minimize the need for external assistance should a user encounter problems accessing the NMCI network from a remote location. This document describes the procedure of accessing the NMCI Network from a NMCI Seat that has been deployed into a tactical environment.

1.1 NMCI CLIN 004AC Seat:

Pentium III 1 GHz Processor
256MB of RAM
Integrated Ethernet 10/100 Adapter
Integrated V.90 56K Dialup Adapter

1.2 NMCI Environment

Access to the NMCI network will be accomplished via authentication through either Remote Access Service (RAS) or High Speed VPN (Virtual Private Network). This document will address access via RAS. RAS connectivity requires that a user connect via dialup to UUNET and connect to the NMCI network with VPN software (PERMIT/client). In order to accomplish this, a user must have:

- PKI Certificate
- Personal Security Password (PSP) for their Certificate
- The PaL and the PERMIT/Client software applications loaded on their laptops
- UUNET (WorldCom) account login information for MCI/UUNET (including your user name, host realm and password)

If you do not have these items you must call the NMCI Helpdesk (1-866-843-6624) to obtain them.

1.3 NMCI Deployed Environment

The Marine Corps' TDN environment consists of a Windows NT Operating System. Procedure development and assessment of the operability of NMCI Seats in a deployed environment has been conducted at MCTSSA in the SIF MEF Node consisting of Windows NT PDC and BDC, Cisco Routers and Checkpoint's Meta IP DNS.

1.4 Background and Overview

The NMCI Internet Strike Force (ISF)'s Site Manager conducted all initial hardware build and configurations on the NMCI Seats. The builds were modified in order to include the software and configurations necessary to connect via RAS.

This document is designed to assist the user with accessing the NMCI network using NMCI Remote Access Service through UUNET.

The following is a step-by-step guide for accessing the NMCI network via RAS.

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2.0 Dialup Procedure

2.1 Setting Up PaL (Remote Dial-in software)

2.1.1 Prerequisites needed for UUNET Dialin and access to the NMCI Network

2.1.1.1 *The Users Identity CERT is required as a component for connecting to NMCI. (See the NMCI ISF Remote Access Service Getting Started Guide Steps 1 and 2 for instructions on how to obtain your CERT)*

2.1.1.2 *A WorldCom Account to use UUNET (Assigned from NMCI Helpdesk)*

2.1.1.3 *PERMIT/Client software (also known as TimeStep) must be loaded on your desktop before you can successfully access the NMCI network. If you do not have a Red "T" in your Icon tray (see Figure 2.1-1) you will not be able to access the NMCI network. Refer to the TimeStep (PERMIT/client) VPN Procedures Document for instructions on how to configure your PERMIT/client software prior to dialing into UUNET.*

2.1.1.4 *PaL software must be installed on your machine. If not then contact the NMCI Help Desk to assist you with the installation prior to proceeding further.*

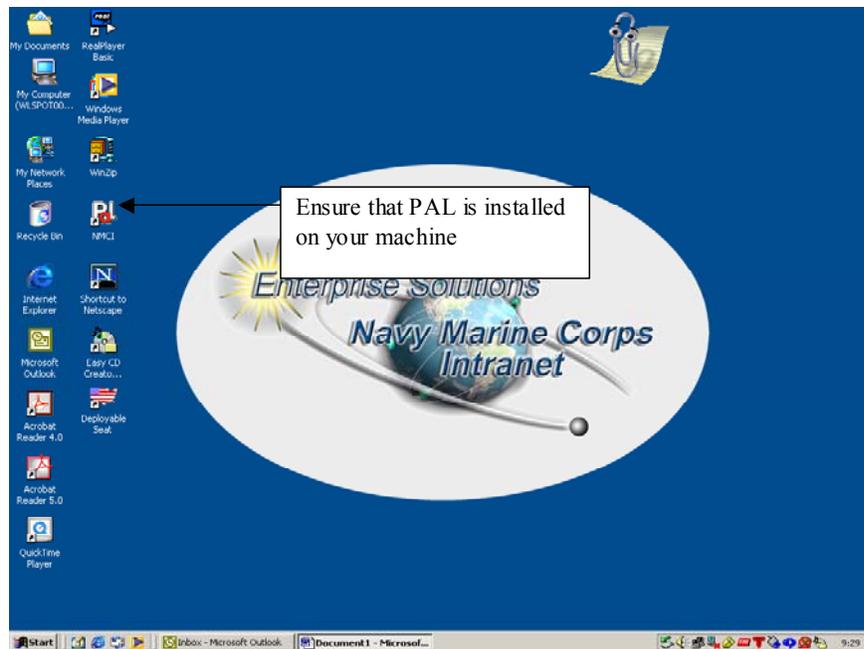


Figure 2.1-1

2.1.1.5 *If the PaL icon does not appear on your desktop (see Figure 2.1-1) you must call the NMCI Helpdesk to get this software installation issue resolved. Otherwise, double click on the PaL icon to launch the Dialin software required to access UUNET and, ultimately, connect to the NMCI network. Proceed to paragraph 2.1.2 (Launch PaL Application).*

2.1.2 Launch PaL Application

2.1.2.1 *If the screen shown below (Figure 2.1-2) appears it means that the PaL software has not been configured/setup on this computer. If this is the case proceed with the Start PaL Configuration section of this document (Paragraph 2.1.3).*

2.1.2.2 **Otherwise proceed to Paragraph 2.1.8, Dialing into UUNET using PaL.**



Figure 2.1-2

2.1.3 Start PaL Configuration.

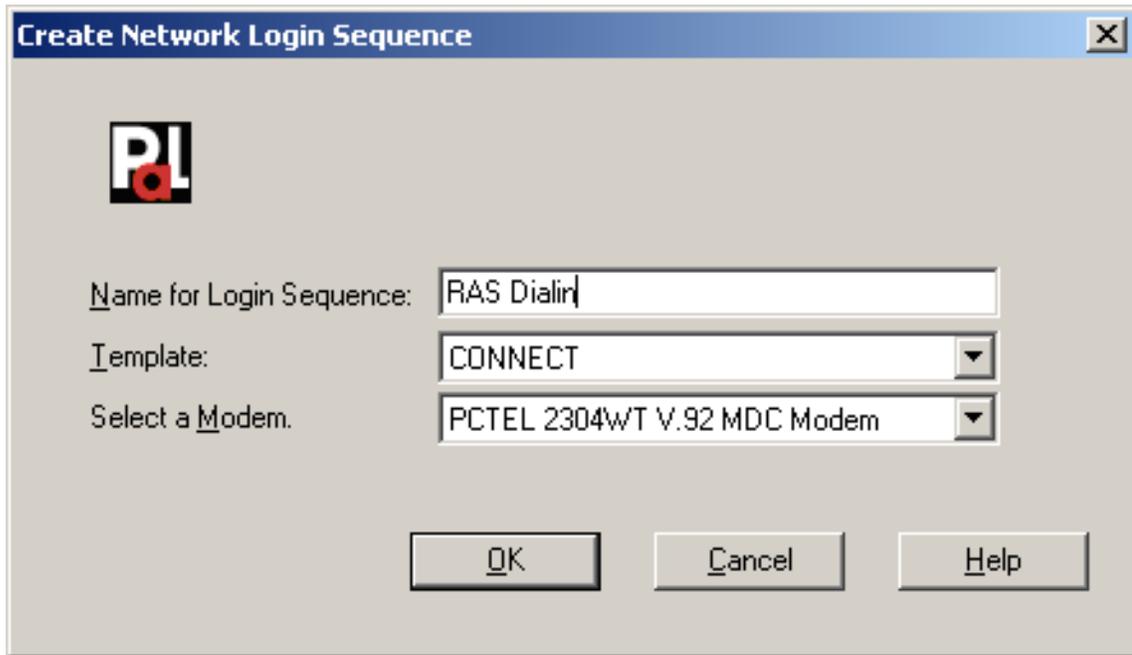


Figure 2.1-3

- 2.1.3.1 *Name for Login Sequence is “**RAS Dialin**”, if it is something else, change it here to “**RAS Dialin**”.*
- 2.1.3.2 *Change the Template to **CONNECT**.*
- 2.1.3.3 *Select a Modem should be “**PCTEL 2304WT V.92 MDC Modem**” for CLIN 0004AC.*
- 2.1.3.4 *Click **OK** once your settings look like those above.*

2.1.4 PAL Setup Tab

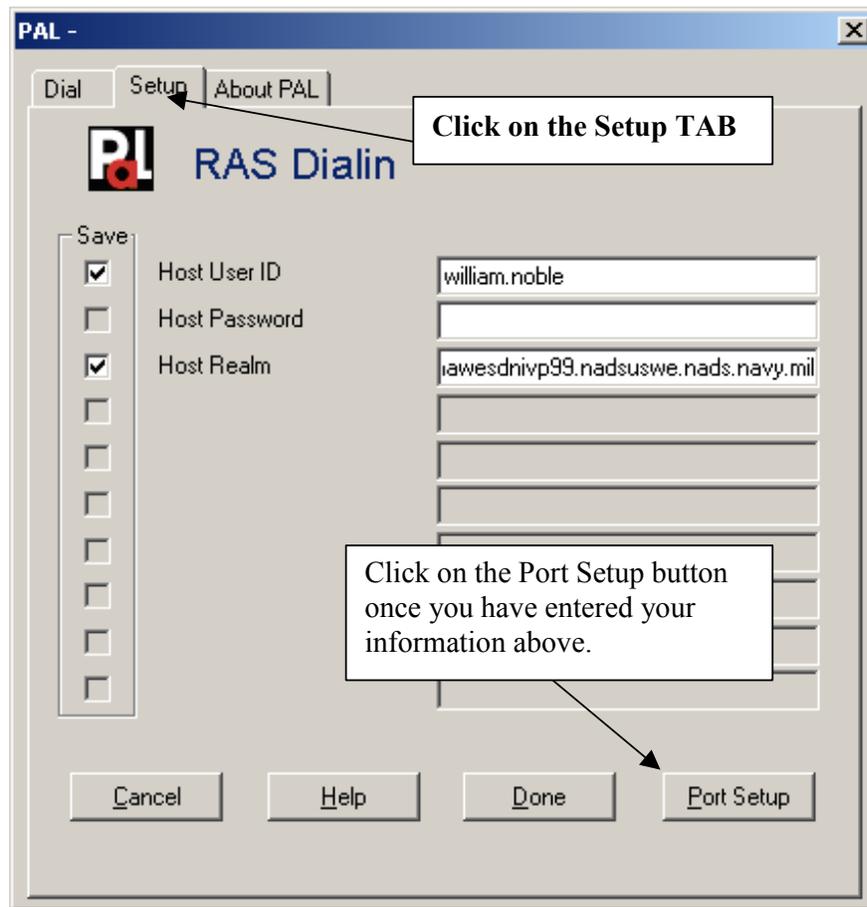


Figure 2.1-4

2.1.4.1 *Dialin Setup. **The information that is entered on this screen (Figure 2.1-4) is obtained from the NMCI Helpdesk (See Step 4 in the NMCI ISF Remote Access Service Getting Started Guide).** In order to connect to the NMCI Network via Dialin you will need to obtain a MCI/UUNET Host User ID and Host Realm. The format of that information should be very similar to what you see above. Change the information on your screen as appropriate. Once you have entered your User ID and Realm click on the **Port Setup**, not the Done button.*

2.1.4.2 *The window shown in **Figure 2.1-5** below should appear.*

2.1.4.3 *Click on the General tab and configure as shown in **Figure 2.1-5**.*

2.1.5 RAS General Settings.

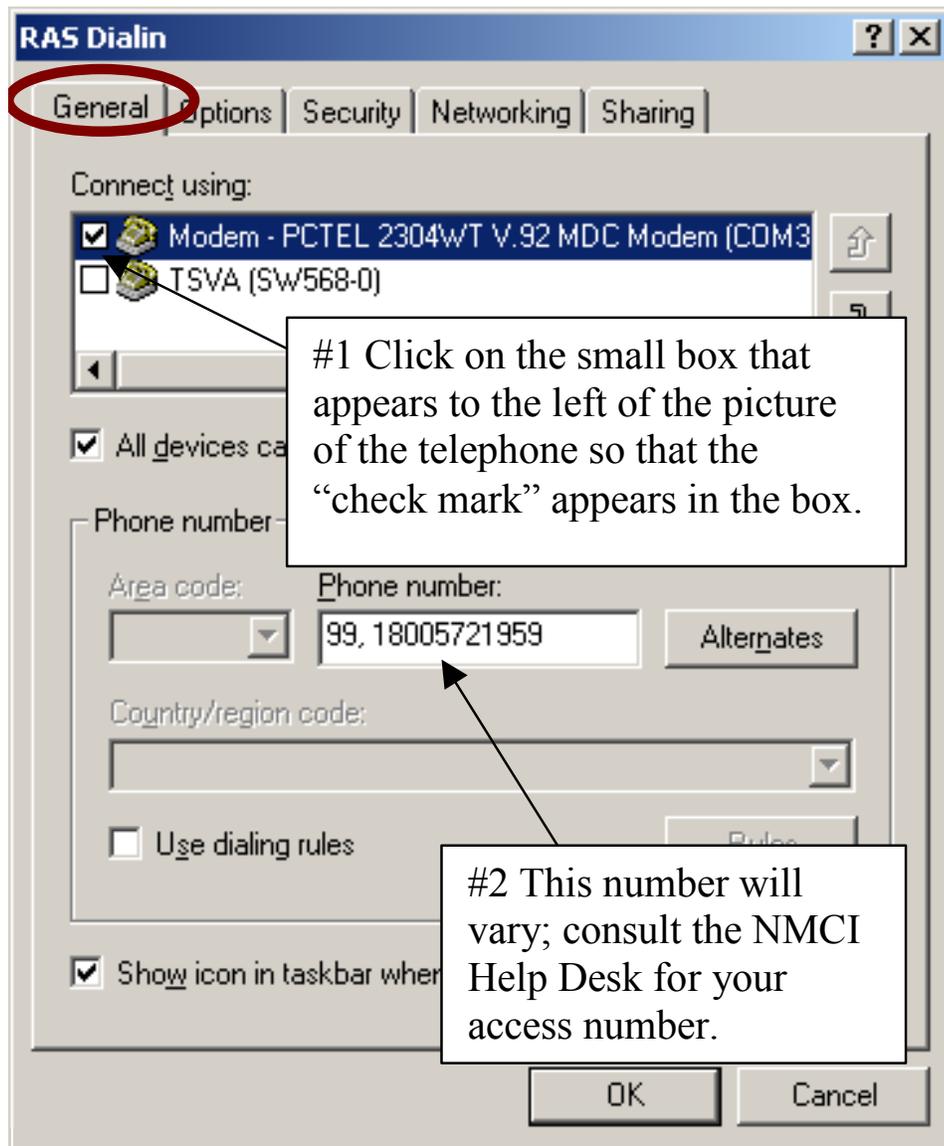


Figure 2.1-5

2.1.5.1 *Click on the box next to Modem under the “Connect using” window in **Figure 2.1-5**. Enter the UUNET/Worldcom access number that the NMCI Helpdesk provided for your geographical location in the Phone number window. In this example “99, 18005721959”, “99” is the access code for an outside line, the “,” is to let the dialer know to pause then the 18005721959 is the UUNET/Worldcom access number. When finished, click on the **Options** tab.*

2.1.6 RAS Options.

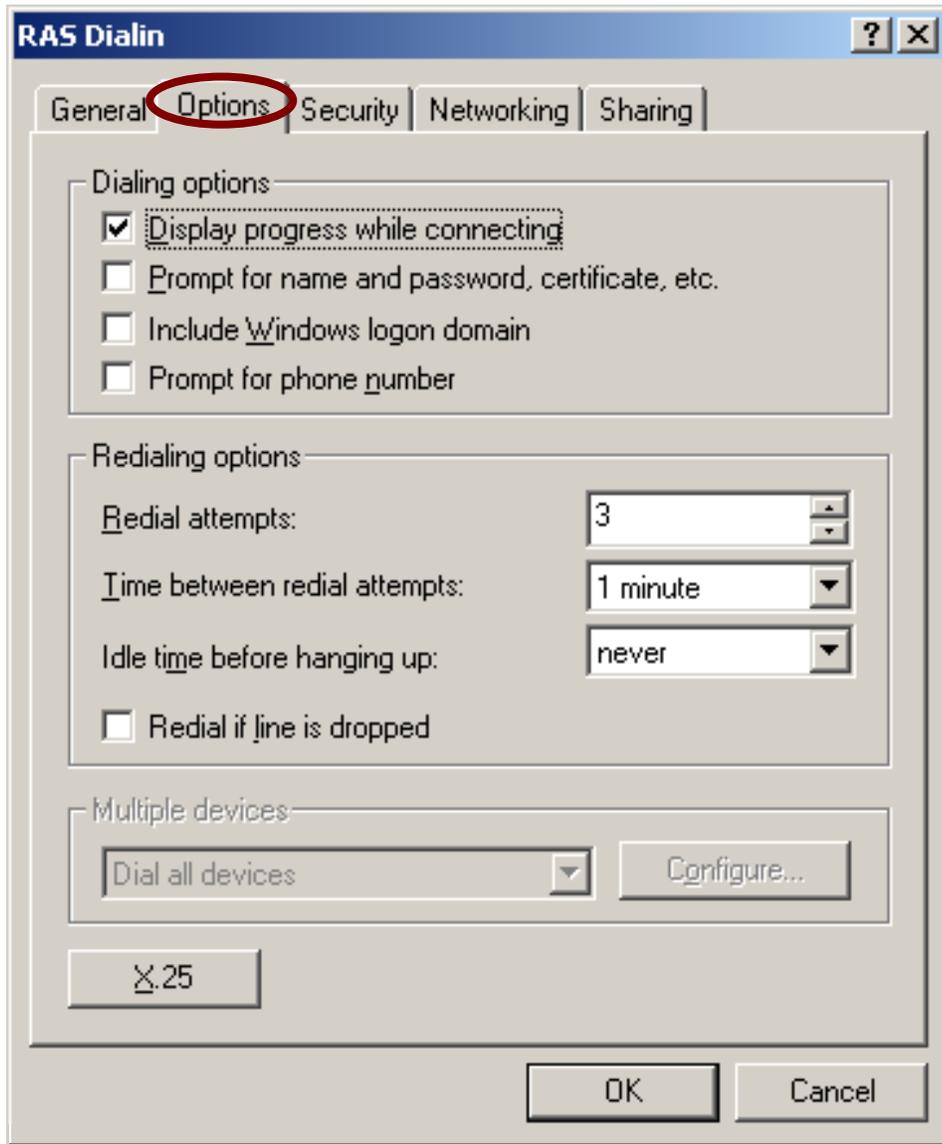


Figure 2.1-6

2.1.6.1 Ensure that the Options are set to the same settings shown in **Figure 2.1-6** above and then click the **OK** button.

2.1.7 Save As Favorites.

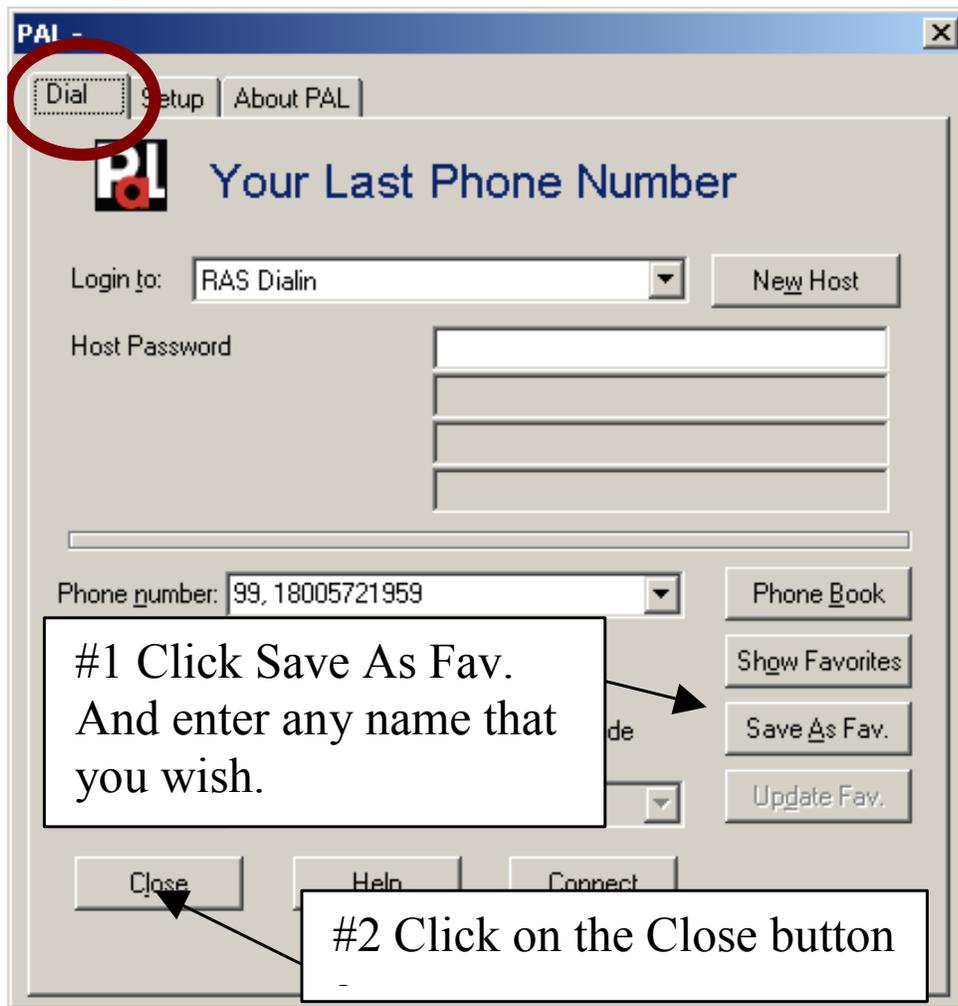


Figure 2.1-7

2.1.7.1 Click on Save As Fav. (Figure 2.1-7) and then click on the Close button.

2.1.8 Dialing into UUNET using PaL

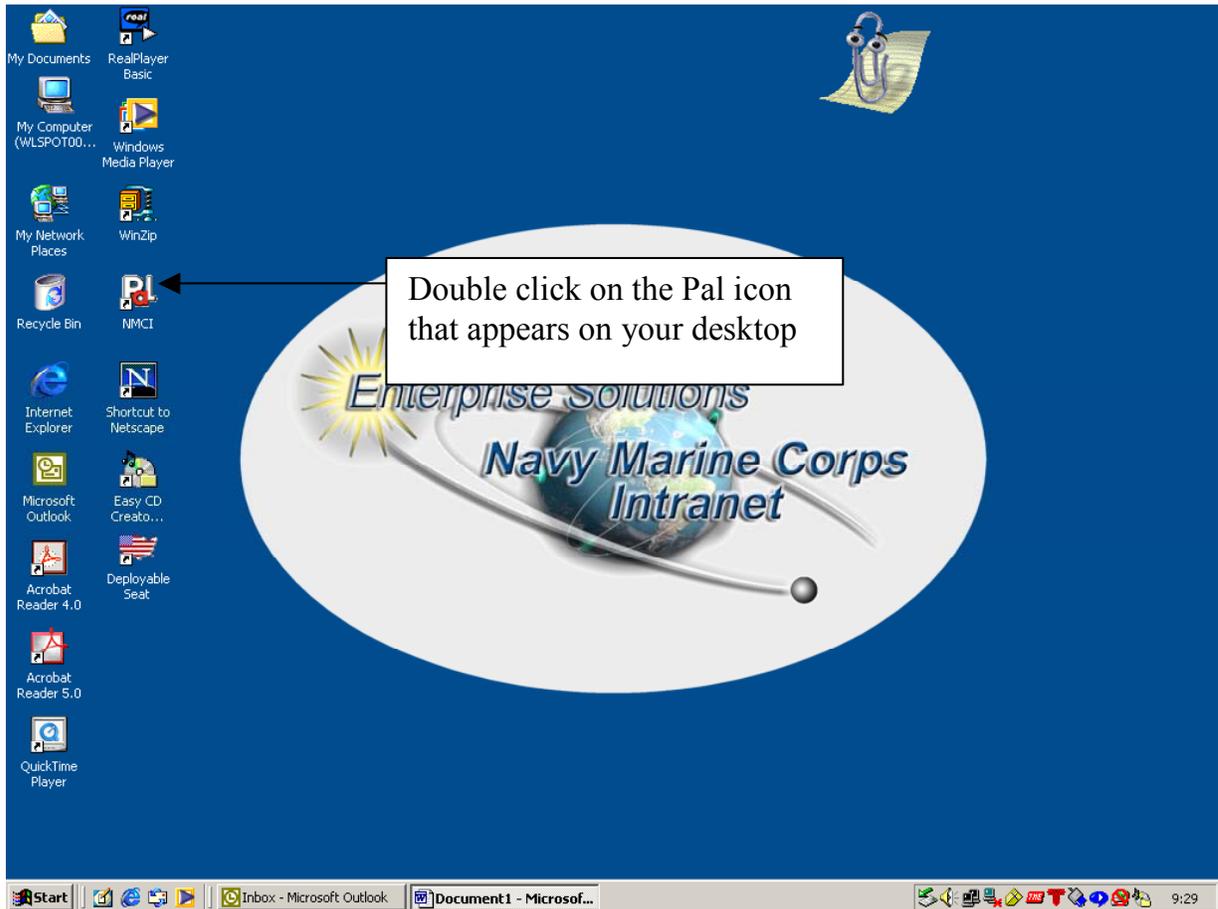


Figure 2.1-8

- 2.1.8.1 *In order to access the NMCI Network you will need to launch the TimeStep PERMIT/client software that will authenticate your connection with the NMCI Network. Refer to the NMCI Deployable Seat, TimeStep (PERMIT/client) VPN Procedures Document for instructions on configuring and using the TimeStep PERMIT/client product.*
- 2.1.8.2 *After verifying the requirement in paragraph 2.1.8.1, Double click on the PaL icon to launch the Dialin software (see Figure 2.1-8)*

2.1.9 Verify UUNET Login information



Figure 2.1-9

2.1.9.1 Click on the Setup Tab.



Figure 2.1-10

- 2.1.9.2 *Dialin Setup. The information that is entered on this screen (Figure 2.1-10) is obtained from the NMCI Helpdesk. In order to connect to the NMCI Network via Dialin you will need to obtain a MCI/UUNET Host User ID and Host Realm. The format of that information should be very similar to what you see above. Change the information on your screen as appropriate. Once you have entered your User ID and Realm click on the Dial TAB.*
- 2.1.9.3 *The window shown in Figure 2.1-11 should appear.*

2.1.10 Connect to UUNET

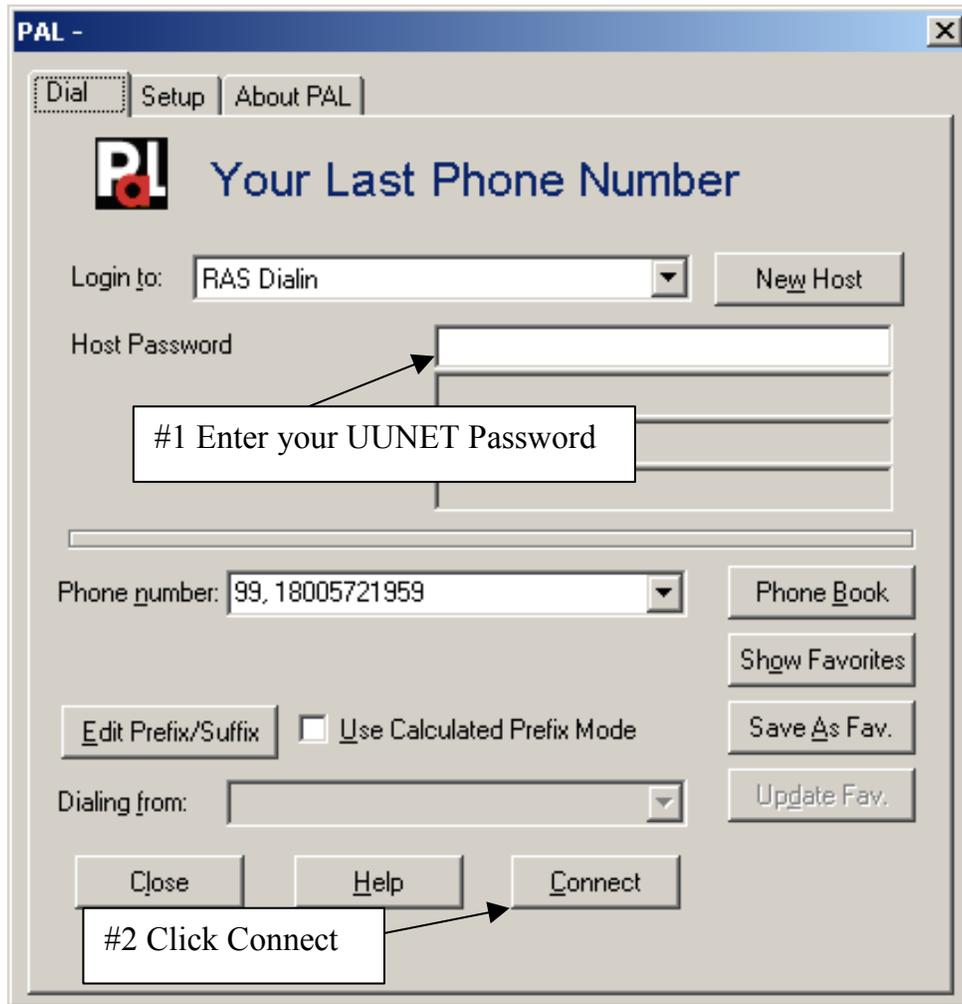


Figure 2.1-11

2.1.10.1 You should now have the screen in Figure 2.1-11 above. Enter your UUNET password that was provided to you by the Helpdesk and click on the Connect button.

2.1.10.2 After you click on the Connect button you will see the screen in Figure 2.1-12 below.

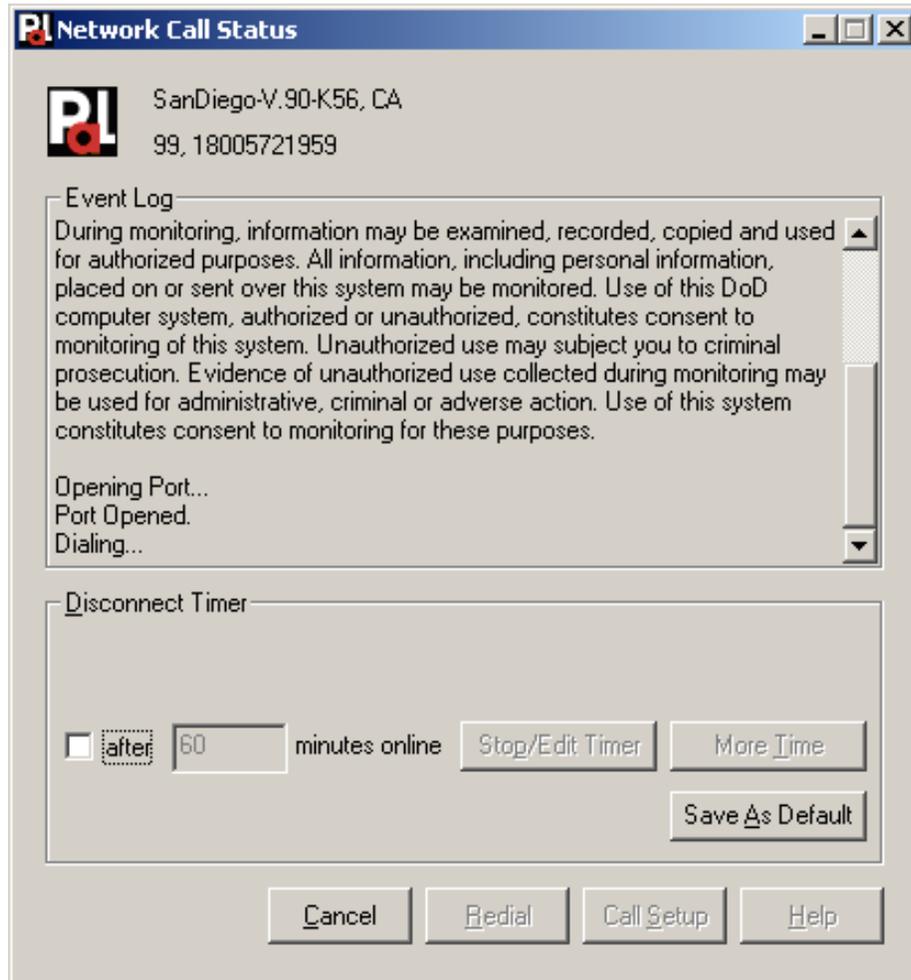


Figure 2.1-12

2.1.11 UUNET Connection/Login is complete

2.1.11.1 *Note: In order to access the NMCI Network you will need to launch the TimeStep PERMIT/client software that will authenticate your connection with the NMCI Network. Refer to the NMCI Deployable Seat, TimeStep (PERMIT/client) VPN Procedures Document for instructions on configuring and using the TimeStep PERMIT/client product.*