The Following Operating Systems When Running WINDOWS Appear To Work With Win2NCS With Some Restrictions But Only Microsoft Windows 3.1 Has Been Extensively Tested.

See The Win2NCS On-Line Help For Information Concerning Those Restrictions.

Windows 3.1

Enhanced And Standard Mode.

Windows 95

OS/2 Warp

Windows For Workgroups 3.11

The following bug fixes / enhancements have been made since release 1.10.

Hopefully fixed all the problems with SETUP which was sometimes causing the installation to fail with "Corrupted Files" message or other failures when installing to a network drive. The following changes were made.

It was found that under some cases depending on drive mapping, a trailing backslash was returned from GetWindowsDirectory and GetSystemDirectory function calls causing an invalid path to those directories.

The SETUP program was changed to not assume that the SYSTEM directory is a subdirectory of the WINDOWS directory.

It was found that CTL3DV2.DLL could give an error message when installed in the public WINDOWS directory of a networked WINDOWS system. This would occur if the public WINDOWS directory was mapped to the ROOT. Module CTL3D.DLL is now used and installed instead of CTL3DV2.DLL.

The NASI.DLL is now always loaded in the SYSTEM or public WINDOWS directory. It will only also be loaded in the WINDOWS directory if the NASI.DLL already exists in the WINDOWS directory.

Implemented a new option to manage configuration files. This replaces the accidentally removed hidden capability of Win2NCS to allow the NCS.INI file to be either in the installed directory or the WINDOWS directory. Now during SETUP the user can select Option 4 (Configuration Files Always In WINDOWS Directory) to guarantee that the configuration file (NCS.INI) for each user will always be created or acquired from the private WINDOWS directory of a networked WINDOWS system. This is better than the previously hidden option which required that each user already had a previously created NCS.INI file in it's private WINDOWS directory.

Important Information On Adding Win2NCS Users On A Networked System.

Win2NCS will manage independent configuration files (automatically generating and/or acquiring the correct configuration file on the fly if any SETUP option for managing configuration files is used except Configuration File Is Created In Installed Directory) for a user on a networked WINDOWS system. However, manual intervention must be performed to add the Win2NCS program group and Nasi Mapping Utility ICON to the private WINDOWS directory.

Also, the **attnasi.exe** with path must be placed in the **RUN** or **LOAD** entry in the **WIN.INI** file if the user wishes the Nasi Redirector to be invoked when the private WINDOWS is invoked.

Fixed a problem that several users were getting with PROCOMM that was causing GFEs when downloading files.

Implemented performance enhancements (**Group Assist On Writes**) in the Nasi Redirector for programs that call the COMM.DRV 1 byte at a time. Performance can increase up to five fold for programs that call 1 byte at a time. This change should not affect the majority of programs since they call the COMM.DRV with multiple bytes.

Implemented timing enhancements (**Timing Assist On Writes**) in the Nasi Redirector to programs that are timing sensitive as to how data arrives.

Implemented new **Global Mapping Option** to enable or disable **Group Assist On Writes**.

Implemented new **Global Mapping Option** to enable or disable **Timing Assist On Writes**.

Implemented support for 115.2KB. This change allows users that have Netware Connect communications boards that have support for 115.2KB to be used by applications that use Win2NCS.

Removed the restriction of executing ATTNASI.EXE in WINDOWS STANDARD mode and OS/2 V2.1 WINDOWS STANDARD mode.

Fixed problem in Map Ports Manually option that would crash system if Specific Name entry is too long.

This release eliminates write callback assist for LAPLINK. This should eliminate the any possibility of reentrancy problems when using LAPLINK.

Made a change to the Nasi Redirector that could possibly fix a timing problems for applications that use the RECEIVE NOTIFY capability of not getting a RECEIVE NOTIFY under some conditions leaving data in the receive buffer. Very few applications use this capability and so most would not have been affected.

Made NASI.DLL backward compatible with NASI.DLL in the NASI SDK . Therefore if someone has an application that uses the NASI.DLL directly, that application can use the NASI.DLL that is provided with Win2NCS so both applications can run simultaneously. DO NOT try to use the NASI.DLL that is provided with the vendor application for Win2NCS since it may be older.

Implemented check to make sure that communications applications are not redirected

when exiting WINDOWS.

Added new program called **Nasi Modem Lights**. When this ICON is double clicked, the user can define a COM port to monitor. After the port is selected, a Nasi Modem Lights screen will appear at the lower right of the screen indicating Receive and Send Data as well as Carrier Detect, Data Set Ready, and Clear To Send. The indicators indicate data at the Redirector or Nasi level and not the NCS level. If the user changes the position of the Nasi Modem Lights display, the next time it is invoked, it will return to its last position. The following **Command Line** parameter can be used with the Nasi Modem Lights.

/PortNumber will invoke the Nasi Modem Lights for that port.

ex. **c:\win2ncs\nmodem /1** will invoke the modem lights for COM1.

If the user wishes to invoke Nasi modem Lights each time that WINDOWS is invoked, the user can copy the **Modem Lights ICON** to the **Startup Group** and add the /PortNumber to the command line.

Changed the way the initialization bit map is displayed to eliminate black lines on the bit map.

Important Information Regarding Global Mapping Options.

The first 6 options of the Global Mapping Options should not be changed except as a last resort. Make sure that they are reverted to the defaults if changing them does not solve your problem otherwise error could occur. This is especially important with RTS Control. RTS control should always be disabled otherwise CRC errors could occur.

Important Information Regarding OS/2 V2.1

When running Win2NCS under WINDOWS on OS/2 V2.1, WINDOWS must be brought up in STANDARD mode or else protection faults will occur in NWIPXSPX.DLL.

Important Information If Applications That Worked In Release 1.10 And Fail In This release.

Although it is expected that all applications that were working in Win2NCS release 1.10 will work correctly in this release, certain changes were made to the Nasi Redirector that might make an application not work correctly. If this occurs, first disable **Timing Assist On Writes** and then **Group Assist On Writes** in the Nasi Mapping Utility **Global Mapping Options**. With Timing Assist On Writes and Group Assist On Writes disabled, the Nasi Redirector should work that same as release 1.10.