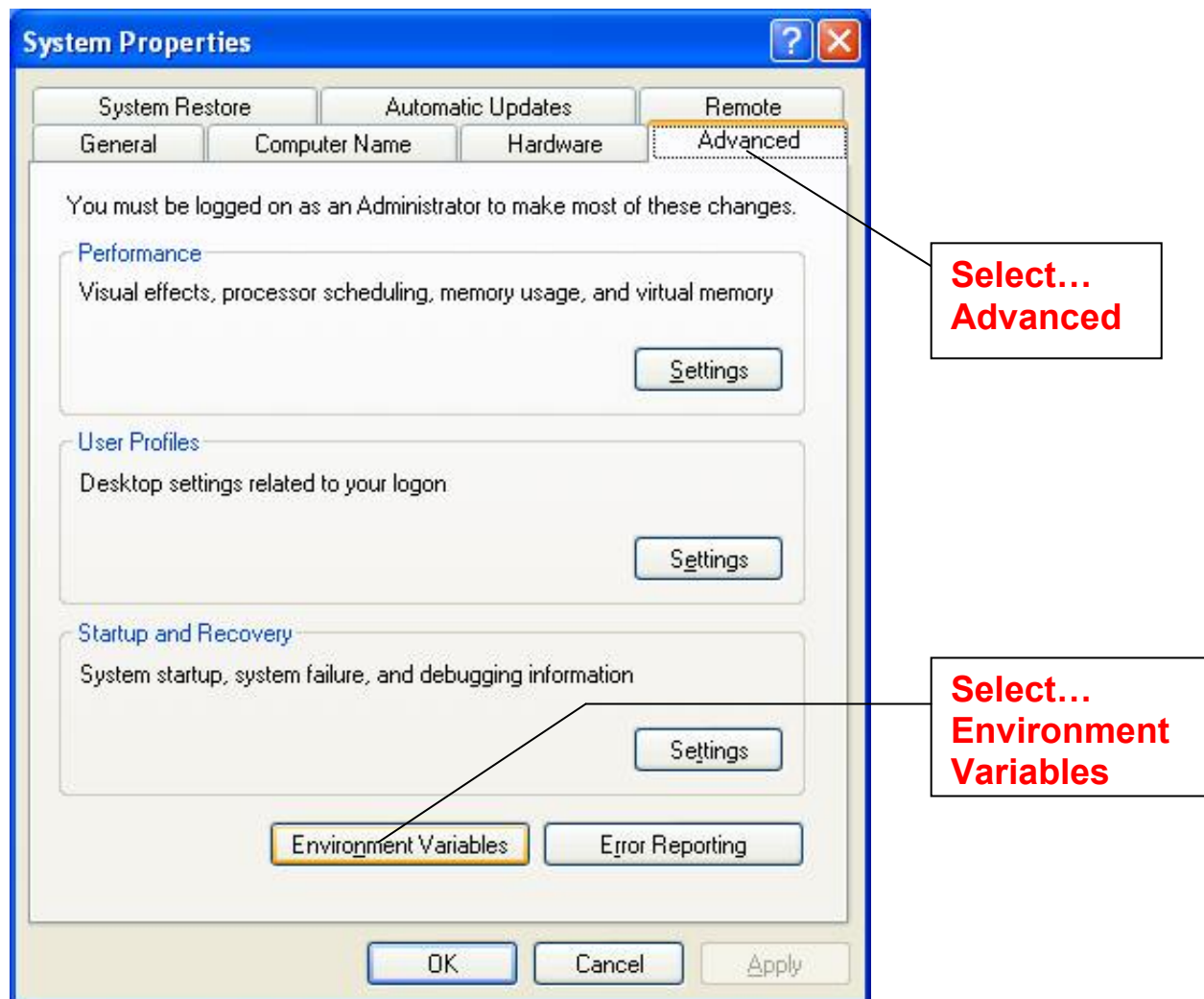# OverNet Computer Services
Mechanic helpdesk query

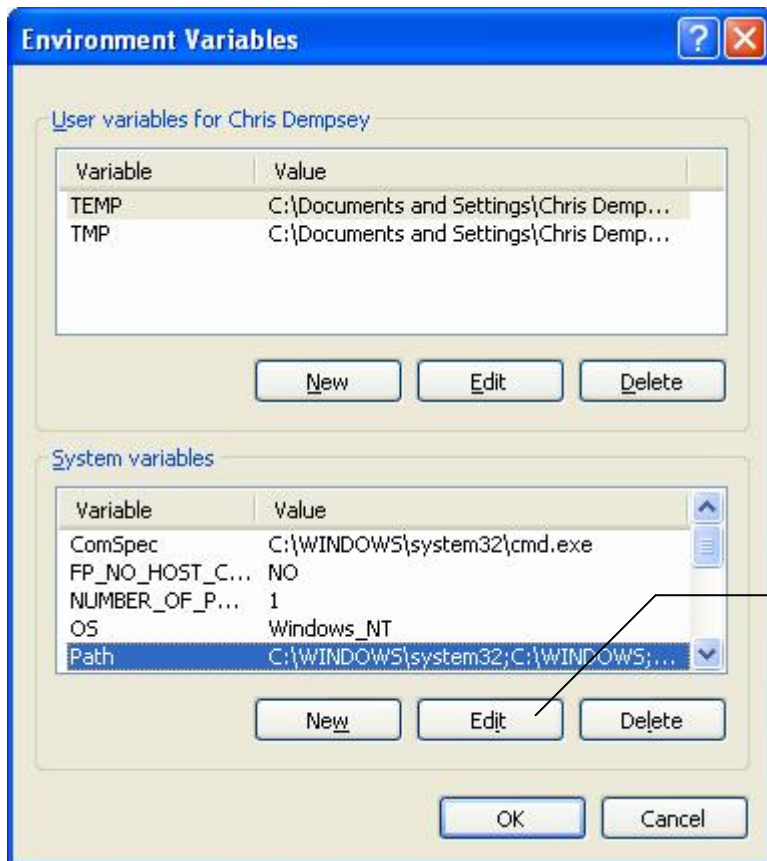**Setup a Windows 2000 or XP computer to run Mechanic.**

This document describes the process to setup the Windows 2000 or XP operating systems so that the Mechanic system can be run.

The Mechanic system needs to be copied onto the new computer. It may be transferred from another computer or installed from the original setup floppy disks or, when adding a terminal to an existing network, copied from another computer. Other documents are used to perform this process.

Once the installation has finished complete the following…

From the Windows desktop, right click on My Computer and select Properties.

Select… Advanced

Select… Environment Variables

Environment Variables

User variables for Chris Dempsey

Variable	Value
TEMP	C:\Documents and Settings\Chris Demp...
TMP	C:\Documents and Settings\Chris Demp...

[New] [Edit] [Delete]

System variables

Variable	Value
ComSpec	C:\WINDOWS\system32\cmd.exe
FP_NO_HOST_C...	NO
NUMBER_OF_P...	1
OS	Windows_NT
Path	C:\WINDOWS\system32;C:\WINDOWS;...

[New] [Edit] [Delete]

[OK] [Cancel]

Highlight… PATH and then select… EDIT

Edit System Variable

Variable name: Path

Variable value: emRoot%\System32\Wbem;c:\mech

[OK] [Cancel]

Add the Mechanic Directory to the path and select… OK

From the Windows desktop, click on Start, select Run and type COMMAND into the white box. This will open a DOS prompt.

Edit the C:\WINDOWS\SYSTEM32\CONFIG.NT file and add (or change if it exists), the two highlighted lines near the bottom. (The C:\WINNT directory may exist if in place of C:\WINDOWS).

```
REM Windows MS-DOS Startup File
REM
REM CONFIG.SYS vs CONFIG.NT
REM CONFIG.SYS is not used to initialize the MS-DOS environment.
REM CONFIG.NT is used to initialize the MS-DOS environment unless a
REM different startup file is specified in an application's PIF.
REM
REM ECHOCONFIG
REM By default, no information is displayed when the MS-DOS environment
REM is initialized. To display CONFIG.NT/AUTOEXEC.NT information, add
REM the command echoconfig to CONFIG.NT or other startup file.
REM
REM NTCMDPROMPT
REM When you return to the command prompt from a TSR or while running an
REM MS-DOS-based application, Windows runs COMMAND.COM. This allows the
REM TSR to remain active. To run CMD.EXE, the Windows command prompt,
REM rather than COMMAND.COM, add the command ntcmdprompt to CONFIG.NT or
REM other startup file.
REM
REM DOSONLY
REM By default, you can start any type of application when running
REM COMMAND.COM. If you start an application other than an MS-DOS-based
REM application, any running TSR may be disrupted.
REM
REM    AltRegSets
REM       specifies the total Alternative Mapping Register Sets you
REM       want the system to support. 1 <= AltRegSets <= 255. The
REM       default value is 8.
REM    BaseSegment
REM       specifies the starting segment address in the Dos conventional
REM       memory you want the system to allocate for EMM page frames.
REM       The value must be given in Hexdecimal.
REM       0x1000 <= BaseSegment <= 0x4000. The default value is 0x4000
REM    RAM
REM       specifies that the system should only allocate 64Kb address
REM       space from the Upper Memory Block(UMB) area for EMM page frames
REM       and leave the rests(if available) to be used by DOS to support
REM       loadhigh and devicehigh commands.
REM
REM    The EMM size is determined by pif file(either the one associated
REM    with your application or _default.pif). If the size from PIF file
REM    is zero, EMM will be disabled and the EMM line will be ignored.
REM
```

NTCMDPROMPT
doskey /insert
dos=high, umb
device=%SystemRoot%\system32\himem.sys
buffers=30
FILES=255
Lastdrive=z

CREATE CONFIG.SYS

By default Windows XP does not have a CONFIG.SYS file.

When Mechanic starts, it automatically looks for the number of file handles in the CONFIG.SYS file.

From the same DOS prompt used on the previous page, create a new file called…
    C:\CONFIG.SYS

Into this file type…   FILES=255

NOTE: The addition of this file will have no affect on the Windows start up or any operations as it will not be recognized by any standard programs.

EDIT MECH.BAT

Edit the C:\MECH.BAT batch file and adjust to suit the following…

```
@ECHO  OFF
BREAK  ON

SET MCH$PROGRAM=C:\MECH
SET MCH$COMPANY=C:\MECH\CMP1_MCH
SET MCH$PRACTICE=C:\MECH\CMP1_MCH\PRAC_MCH
SET MCH$LOCAL=C:\MECH

SET BLINKER=/OO80

%MCH$PROGRAM%\BTRIEVE /U:3 /T:C:\BTRIEVE.TRN /N:18 /P:1024 /M:20 /B:10
%MCH$PROGRAM%\MECHANIC /NOBACKUP /COMPANYNAME %1 %2 %3 %4 %5 %6
```

NOTE: The last line contains command line parameters that are set by the control panel in Mechanic. Therefore it may look different, but it must contain the parameters \MECHANIC and /NOBACKUP.
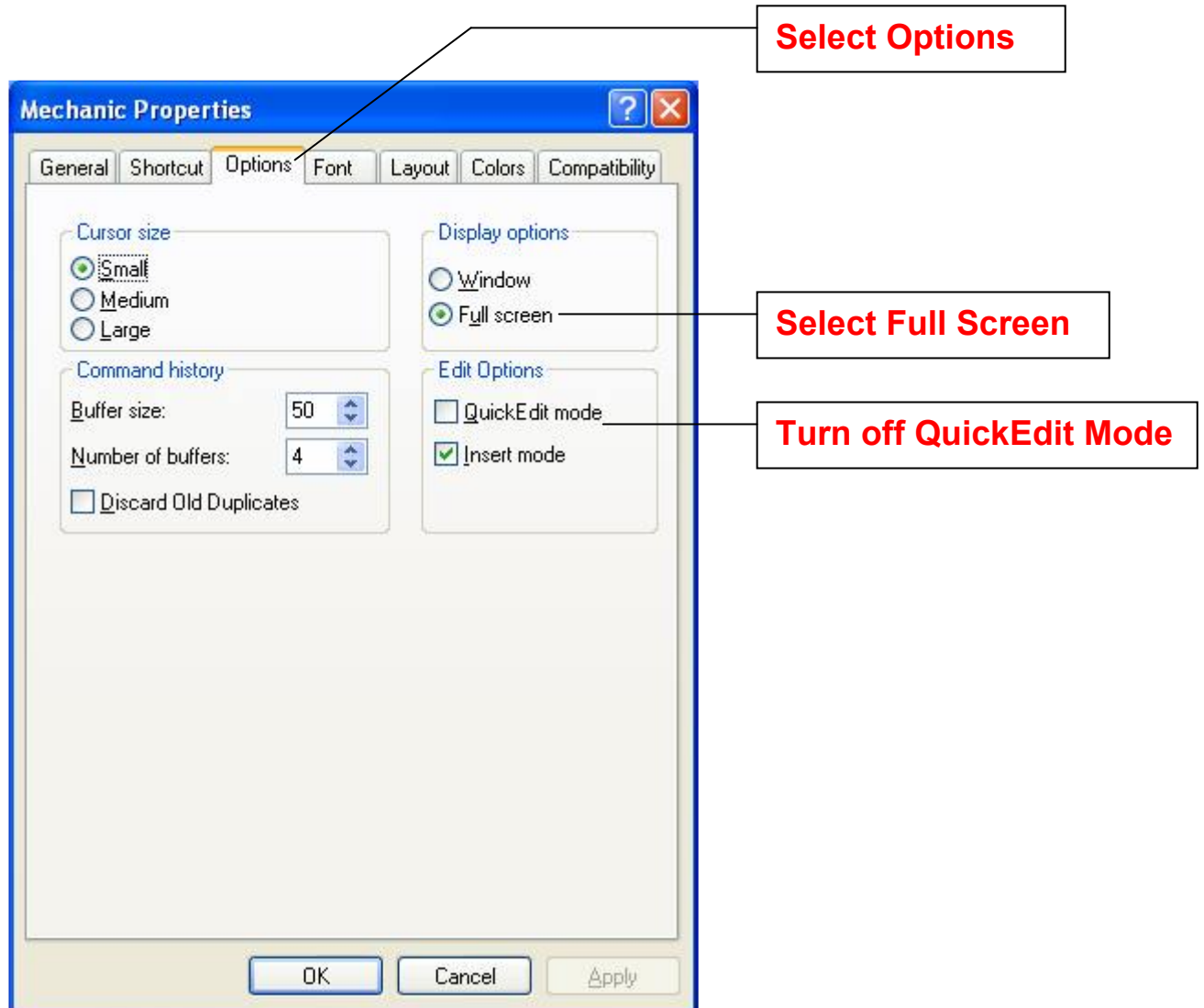
NOTE: The NET USE lines are used to redirect print jobs to the printer that is connected to another computer. In this example, they are commented out so that they are not used. However the LPT1 port of all computers must be defined – even if a dummy printer is added and not used. (ie use ADD PRINTER, LPT1, local, Make = GENERIC, Model = Generic Text Only, not the default printer).

NOTE: This example is for standalone computers and therefore needs additional changes for a networked computer, (refer to the network setup document).

ICON PROPERTIES

From Windows Explorer, use the right mouse button to drag the C:\MECH.BAT file onto the desktop. From the little menu select… Create Shortcut Here

From the Windows desktop, right click on the Mechanic icon and select Properties.

Select Options

Mechanic Properties

General | Shortcut | Options | Font | Layout | Colors | Compatibility

Cursor size
- ● Small
- ○ Medium
- ○ Large

Command history
Buffer size: 50
Number of buffers: 4
☐ Discard Old Duplicates

Display options
- ○ Window
- ● Full screen

Select Full Screen

Edit Options
- ☐ QuickEdit mode
- ☑ Insert mode

Turn off QuickEdit Mode

[OK] [Cancel] [Apply]

PRINTER SETTING

Microsoft made a change that delays all DOS print jobs on any printer connected to a Windows 2000 or Windows XP workstation by 15 seconds. This applies to both local printers and shared printers that are physically connected to an LPT port on a Windows 2000 or Windows XP workstation. This delay can be eliminated as follows:

WARNING: Be careful because using REGEDT32 can cause serious damage to the setup of the operating system. If you are unsure, contact your computer technician.

On the computer where the printer is connected, click on Start, select Run and type in…   REGEDT32
1.   In the header, click on VIEW and make sure to check "Tree and data".
2.   Select…   HKEY_LOCAL_MACHINE on Local Machine (double click).
3.   Select…   SYSTEM
4.   Select…   CurrentControlSet
5.   Select…   Control
6.   Select…   WOW
7.   In the right section of the window should be a key called "LPT_timeout".
8.   Double click this key.
9.   A prompt for a string with a default of "15" (seconds) will appear.
10. Change this to 1 and click OK.
11. Close REGEDT32

The setup of the computer is complete. Double click on the Mechanic icon to execute the system. Mechanic will ask for…
     authorization numbers and…
     the configuration checks to be verified.

Please call the Mechanic support line on 1300-880-193 to have the authorization numbers faxed to you and to use the 6,9,36 utility to clear the configuration checks.