APPENDIX A

OPK Requirements and Restrictions

Microsoft Licensing, Inc., a subsidiary of Microsoft Corporation, licenses its OEM customers with the right to acquire software on media as provided by Microsoft Licensing, Inc.-approved deliverables through Authorized Replicators and preinstall ftware on computer hard disks. No OEM has the right to place Microsoft intellectual property on any form of media without the express written consent of Microsoft Licensing, Inc. and/or Microsoft Corporation.

As part of the OEM license agreement for the Windows 98, OEMs are allowed to place Windows 98 on a hard disk using the methods described in the OEM Preinstallation Kit (OPK). OEMs are also allowed to create a CD-ROM boot disk for use with the Microsoft Windows 98 CD, using the tools provided in the OPK.

This appendix contains information about the requirements and restrictions stipulated in the OEM license agreement.

Important Microsoft Licensing, Inc. reserves the right to change the requirements and restrictions in this appendix at any time without notice. For information about changes to these requirements and restrictions, see your current license agreement or speak with your Account Manager.

Contents

Requirements 69
License-Related Requirements 69
Requirements for Company-Specific Information 69
Desktop and Internet Explorer Requirements 70
Requirements for Preinstalled Software 70
Backup Media Requirements 70
Restrictions 70
Preinstallation and Product Media Restrictions 70
Restrictions to Modifying the Product 71
Restrictions for Windows 98 Software Components 72
Hardware-Related Restrictions 73
Restrictions for OEM-Provided Preinstalled Applications 74

PENGAD-Bayonne, N.J.
GOVERNMENT EXHIBIT 1201

MS98 0102858
CONFIDENTIAL

Multilingual-Related Restrictions 74
Backup-Related Restrictions 74
Control Panel Extensions 74

Requirements

To comply with the terms of your OEM license agreement, you must meet the requirements defined in the following subsections, where "preinstalled PC" refers to a PC that you manufacture and provide to end users with the Microsoft Windows 98 operating system preinstalled.

The text in the left margin indicates which of the following elements helps maintain compliance with these requirements:

- **Wizard:** The OPK wizard automatically maintains compliance with this requirement.
- **Product:** The Windows 98 product, as supplied by Microsoft, maintains compliance with this requirement.
- **Installer:** The OEM preinstallation engineer at the OEM facility ensures compliance.

License-Related Requirements

Product, Installer — Display the following screens during end-user setup:

- Microsoft Certificate of Authenticity (COA) screen
- Microsoft End User License Agreement screen
- Username/Company screens

Do not enter the Microsoft Product Key on the Certificate of Authenticity screen on your Windows 98 preinstalled computers, except for testing purposes. The customers must enter this information themselves.

Requirements for Company-Specific Information

Wizard, Installer — Include an Oeminfo.ini file in the PC:\Windows\System folder.

Wizard, Installer — Add your company name after the **Manufacturer=** field in PC:\Windows\System\Oeminfo.ini.

Wizard, Installer — Add your company-specific information in the [Support Information] section of Oeminfo.ini. You can also include your Internet addresses.

Important Do not list Microsoft or a Microsoft phone number for support information, either electronically on the preinstalled PC or in printed materials distributed with the PC, unless explicitly authorized in writing to do so by Microsoft Licensing, Inc.

MS98 0102859
CONFIDENTIAL

Desktop and Internet Explorer Requirements

Wizard, Installer

Display the Microsoft preloaded favorites in the Favorites page of the Internet Explorer, as loaded by default during the preinstallation process.
Any additional URLs or Internet Explorer folders that are preloaded cannot be placed at a level higher than the *XXX* Recommended Sites folder (where *XXX* is your manufacturer name). The *XXX* Recommended Sites folder is created automatically by the OPK wizard.

Requirements for Preinstalled Software

Installer

For all preinstalled applications, remove all executable files left by those programs that automatically start a process upon the first system boot. The exception to this requirement is any executable file required to support a hardware device on the preinstalled PC, including device drivers, and hardware diagnostics (e.g. sound check) and virus scanning software.
If a TV Tuner ships with the PC, Microsoft's WebTV for Win[illegible] software package must be completely preinstalled as part of Windows 98.

Backup Media Requirements

Installer

Your OEM license agreement requires the inclusion of "Authorized Product Materials", which is typically a backup CD or recovery CD media, with the preinstalled PC. For more information, see "Backup-Related Restrictions" later in this appendix or your OEM license agreement.

Installer

For preinstalled PCs that include a CD-ROM drive, provide real-mode CD drivers on the Windows 98 CD-ROM boot floppy disk if the end user receives a Windows 98 compact disc and boot disk as backup media. Also, if the provided generic drivers do not support your CD-ROM, you must modify Drvcopy.inf to include the real-mode CD-ROM device driver that was created using Mkcdboot.bat during the preinstallation process.
Without these files and modifications, your customers cannot reinstall Windows 98 from the compact disc in the event of a hard drive failure, because these drivers are required to access the CD-ROM drive.

Restrictions

To comply with the terms of your OEM license agreement, you must conform to the restrictions defined in the following sections.
The text in the left margin indicates whether the OPK wizard, product, or installer helps maintain compliance, as defined in the previous section.

Preinstallation and Product Media Restrictions

Installer

Do not modify the Microsoft Windows 98 product disks or CDs purchased from Authorized Replicators unless you receive explicit written permission from Microsoft Licensing, Inc. in the form of a legal contract.

MS98 0102860
CONFIDENTIAL

Installer	Do not preinstall Windows 98 using any method other than the OPK.
Installer	Do not remove, replace, or modify any other product logos or trademarks (as noted in your OEM License Agreement) included in the Microsoft Windows 98 product.
Installer, Wizard	Do not remove, replace, or modify the Startup Screen Logo except by using either the OPK wizard or the Oemstamp tools provided with the OPK.
Product, Installer	Do not ship the tools included in the OPK. Do not use the tools included in the OPK on a non-Microsoft operating system.
Installer	Do not redistribute any documentation files included with the OPK without express written permission from Microsoft.
Product, Installer	Do not ship to end users any of the following tools: • The tools defined in the OPK as "OEM Factory-only tools." These tools are distinguished by the letter "O" in front of them, including Oattrib.exe, Oformat.com, Oxcopy.exe, and Ofdisk.exe. These files have been modified to remove their version stamping, and several have features that could be damaging to end-user systems if they are not used properly. • Setini.exe, which is used by the OPK batch files run in OEM engineering. The tool Persini.exe has all the functionality of Setini.exe (and more) and can be shipped to end users. • Geninst.exe, which is used to test .inf files independently of setup, and is not an end-user tool. To process an .inf file, the OEM should use the [INFInstall] section of Pisetup.inf, or the [Install] section of Msbatch.inf.
Installer	Do not ship dual or multi-installed systems, such as an earlier version of MS-DOS and Windows *and* Windows 98 on the same computer, without express written permission from Microsoft Licensing, Inc. Please see your OEM license agreement for further details.

Restrictions to Modifying the Product

Installer	Do not modify in any way or delete any aspect of the Microsoft Windows 98 product software. This includes, without limitation, any features, shortcuts, icons, wizards, folders, subfolders, or programs of the Microsoft Windows 98 product software acquired through the Authorized Replicator, except if and as specifically permitted in this appendix or as permitted in your separate license agreement. Do not modify or add content to any directories installed by the Microsoft Windows 98 product software, except as permitted in the OPK for preinstallation of applications by the OEM.
Installer	Do not modify or append any text to the online Microsoft End User License Agreement (EULA) without express written permission from Microsoft Licensing, Inc. You are allowed to replace the term "PC Manufacturer" or "Manufacturer" with your company name or modify the warranties portion of the EULA to comply with local law without written permission from Microsoft Licensing, Inc.
Installer	Do not modify or obscure in any way the sequence or appearance of any screens displayed by the Microsoft Windows 98 product software as delivered by Microsoft

from the time the target PC completes BIOS processing after being switched on by the end user and transfers control to the software loaded from the hard disk ("End User Boot") until the time that the "Welcome to Windows 98" program has been run and closed by the end user and the computer displays the Windows 98 desktop screen, except for hardware diagnostics and its enabling software, e.g. a sound check.
Do not use any portion of Microsoft Windows 98 product software to enable any programs or other content to run or appear before End User Boot.

Installer

Do not modify, delete or obscure, in any way, the appearance of the desktop screen (including without limitation, any features, shortcuts, icons, Active Desktop items, "wizards," folders—including sub-folders—or programs of Windows 98 as delivered by Microsoft in this OPK.).
You may, however, add icons or folders to the Desktop screen, provided that:

- Any such icons are the same size and substantially similar shape as icons included on the Desktop screen as delivered by Microsoft.
- Any such folders are the same size, shape, and appearance as folders included on the Desktop screen as delivered by Microsoft.

You may also add Active Desktop items, including background wallpaper, Web site and channel links, to the Active Desktop provided that:

- Any trade names, trademarks, logos or brands displayed in connection with such components shall be limited to those under which the Customer System is marketed and distributed in accordance with the License Agreement ("Customer System Marks").
- Channel links include your company's Premium Channel (as described in the OPK Wizard tools) added to the Active Desktop Channel Bar with links to your Web site or content installed on the hard disk of the customer system. "Sub-channels" may be added to your Premium Channel with links to your company's or third-party web sites or content installed on the hard disk of the Customer System.
- The wallpaper color and/or design does not, in any way, obscure the Microsoft Windows 98 desktop icons, Start button, Start menu and Active Channel Bar.

Restrictions for Windows 98 Software Components

Installer, Wizard

Do not remove any standard Windows 98 component software from a preinstalled PC. Users expect a consistent behavior from all new computers, including all of the standard utilities and features.
Do not remove the mouse tutorial or the line that calls it in Opkinput.inf.

Installer, Wizard

Do not replace, remove, or supersede any of the following:

- Welcome.exe (the Microsoft Welcome to Windows 98 dialog box). This application includes buttons for the following: Register Now, Connect to the Internet, Discover Windows 98 and Maintaining your PC.

  The OEM may add one button ("OEM Button") below these four buttons as described in Chapter 3 of this OPK User's Guide as described in the Chapter 3 of this OPK User's Guide, and per the restrictions below:

MS98 0102862
CONFIDENTIAL

- The OEM Button may launch only information to educate end users on the hardware features and functionality and/or support policies of the OEM's PC system. The OEM Button can not be used to advertise other products.
- Any trade names, trademarks, logos, or brands displayed on the OEM Button or in connection with the OEM Button shall be limited to those under which the preinstalled PC is marketed and distributed in accordance with the OEM license agreement.
- The OEM Button use can not replicate any function from the above four buttons on the Welcome Screen or otherwise alter, delete, or replace the functionality of Windows 98 product in whole or in part.
- The Welcome to Windows 98 dialog box must appear on the desktop automatically for the first user session.

- The default Start page or Search page for Internet Explorer.

Hardware-Related Restrictions

Installer

Do not modify the Microsoft-supplied .inf files in the PC:\Windows\Inf folder, with the following exceptions:

- You can add a separate set of .inf files for detection during setup.
- You can modify .inf files if you need to change a text string or add new device information.

However, you must not comment out or remove sections of the .inf files in the PC:\Windows\Inf folder, unless you are using the Infinst.exe tool. If you do, the end user will not be ensured correct hardware detection when adding new devices to the PC.

Notice that if you modify .inf files, you risk creating problems with future product releases, where existing .inf files will be replaced automatically. (There is no version checking in the Plug and Play architecture.)

For information about creating or modifying an .inf file, see "Changing OPK .Inf Files" in Chapter 3.

Installer, Wizard

Whether you ship a legacy or a Plug and Play version of any CD-ROM drive, network card, or sound card, you must turn on detection for at least one device within the class being shipped to ensure that the software components associated with that device are installed.

Do not remove any legacy detection items that are force detected by Microsoft.

For any of the following hardware provided on a preinstalled PC, these related software components must be installed:

- **CD-ROM drive:** CD Player
- **Network card:** Net Watcher
- **Sound card:** Audio Compression, Sample Sounds, Sound Recorder, sound schemes, and Volume Control

MS98 0102863
CONFIDENTIAL

- TV Tuner: Microsoft WebTV for Windows

Restrictions for OEM-Provided Preinstalled Applications

Installer

Do not configure any programs to be enabled, run, or initialized automatically—that is, without requiring a deliberate act of the end user—from an icon or folder on the Desktop screen, from the Start menu of the Desktop screen, or by any other mechanism. This includes, without limitation, any shells, screen savers, welcome scripts, wizards, or other content.

Do not populate the Startup folder, Autoexec.bat, Boot.ini, Config.sys, System.dat, System.ini, User.dat, or Win.ini files in any manner that will cause any program or content to run or load automatically upon End User Boot, except for device drivers and diagnostics necessary to support preinstalled or preconfigured hardware devices such as network cards, sound cards, printers, and so on.

Multilingual-Related Restrictions

Installer

If you ship preinstalled PCs with the capability of letting the user select the language, you must ship a single manual containing all the preinstalled languages. This manual must be provided with *one* cover and *one* Certificate of Authenticity.

For more information about using this method, contact your Authorized Replicator.

Backup-Related Restrictions

Installer

The OEM license agreement requires the shipment of Authorized Product Materials as part of every preinstalled PC that you ship. Typically this includes media options. Please refer to your Windows license for the specific details on distributing this media. If you want to include a Microsoft Windows 98 Backup CD with a preinstalled PC, you must purchase this media from an Authorized Replicator.

Installer, Wizard
Installer

OEMs can request permission from Microsoft Licensing, Inc. to create recovery images on compact disc for Microsoft applications products preinstalled on a hard disk. Only Authorized Replicators are allowed to reproduce these "Recovery CDs." The Backup/Recovery compact disc must be clearly labeled with the OEM's name, indicating that it is supported only by the OEM, is not for resale, and is provided for backup/recovery purposes only.

Control Panel Extensions

Microsoft Corporation has published a white paper that describes the requirements for such extensions, as well as specific implementation details for custom property pages for both Windows 95 and Windows 98. This paper is titled *Implementing Display Control Panel Extensions in Windows 95 and Windows 98*, and is available at http://www.microsoft.com/hwdev/devdes/displaycpl.htm.

Requirements for Display Control Panel Extensions include the following:

MS98 0102864
CONFIDENTIAL

- **Existing property pages must remain unchanged.** Any Microsoft-provided property page (including "Settings") must not be disabled, modified, removed, or replaced, except for adding an Advanced Properties button if one does not exist to comply with the following item.
- **Custom property pages can only be added under Advanced Properties.** The features exposed at the top level are commonly accessed features included in every Windows system. Because Windows 98 supports multiple displays, custom property pages cannot be added to the top-level property page set in the Display Control Panel.
- **Control Panel extensions must interoperate with existing Windows 9x Control Panel elements.** In other words, changes made in one are reflected in the other.
- **Custom property pages must be labeled with an icon in addition to the text name.** In order to prevent conflicts with future operating system or shell releases, third-party tabs must contain the page label plus either an icon with the company's logo or text with the name of the vendor.
- **Control Panel extensions must not initialize if the necessary hardware/driver combination is not present.** If the display hardware that ships with the custom Control Panel is not present, the custom Control Panel should not load. Likewise, if a custom property page has features that are dependent on proprietary driver extensions (for example, extensions that are not guaranteed to be present in every other display driver), those features must disable themselves or the property page must not load when the necessary driver is not installed.
- **Only valid modes and refresh rates settings for the installed monitor and adapter are available by default.** A Control Panel extension can provide an override capability for refresh rate selection, but a warning must be displayed when it is enabled.
- **Control Panel state must be stored in the registry.** No .ini files are allowed. Any state that is maintained by your Control Panel extension must be stored in the Software key in the registry, accessible through HKR in the .inf for the device.
- **Control Panel files must be installed using the display driver .inf.** The extension dynamic link libraries (DLLs) that make up the new property page (or pages) must be listed in the [CopyFiles] section of the .inf. Additionally, the Guid for the Control Panel extension must be in the [AddReg] section of the display driver .inf to install the CPL in the registry.

MS98 0102865
CONFIDENTIAL