MP7600

Backup/Restore, and XP Installation Procedures

These procedures details how to make backup and restore via DVD, via external USB hard disk, and how to install XP operating system on the MP7600 Maritime computer.

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Document history

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Rev. B	August 2006	Added Chapter 2.2 ’Backup and Restore Procedures via external USB hard disk’ (including 2.2.1, 2.2.2. and 2.2.3).
Rev. C	February 2007	Added USB Image Backup disk - and Procedure in Chapter 2.2.

Note

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Comments

To assist us in making improvements to the product and to this manual, we welcome comments and constructive criticism.
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1 INTRODUCTION

1.1 General

If the MP7600 computer hard disk needs to have its software restored or the disk needs to be replaced, you will in both cases need a backup of its software as it was after last time it was updated.

Note

For safety, it is advisable to perform regular backup of files from the computers hard disk.

The following procedures are described in this document:

- How to perform backup of computer files to DVD
- How to perform restore of backed up files from DVD
- How to perform backup of computer files to external USB hard disk
- How to perform restore of backed up files from external USB hard disk
- How to install XP operating system

1.2 MP7600 Computer System Backup DVD

The System Backup DVD contains the following:

- XP operating system
- Backed up files, DVD marked with date for the last performed backup
- Serial number of DVD set

1.3 MP7600 Computer System Setup DVD

The System Setup DVD contains the XP operating system.

2 PROCEDURES

This chapter gives procedures for the following:

- Backup and Restore Procedures via DVD
- Backup and Restore Procedures via external USB hard disk
- How to install XP operating system

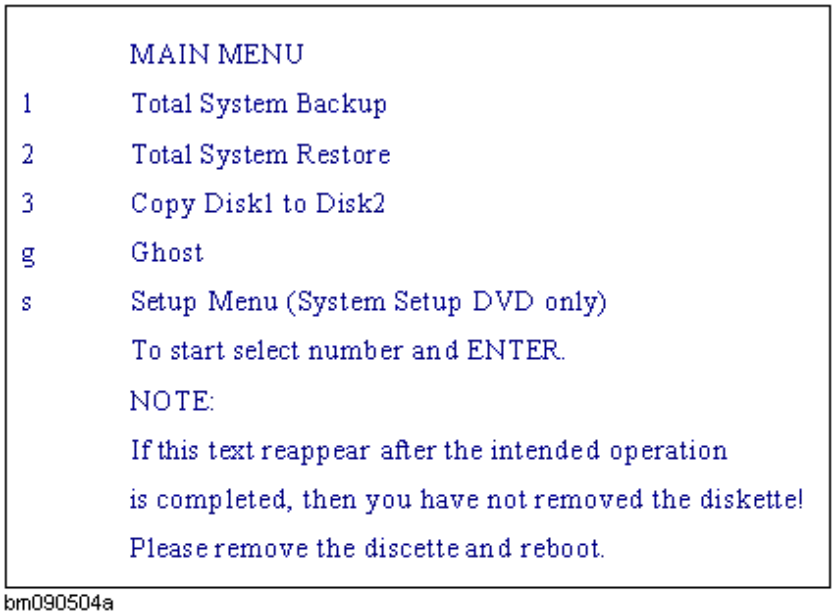
2.1 Backup and Restore Procedures via DVD

The Backup/Restore may be performed both via the *System Backup* DVD and via the *System Setup* DVD.

2.1.1 Performing backup/restore via the System Backup DVD

After rebooting the system using the System Backup DVD, the following MAIN MENU is displayed:

Figure 1 Main Menu



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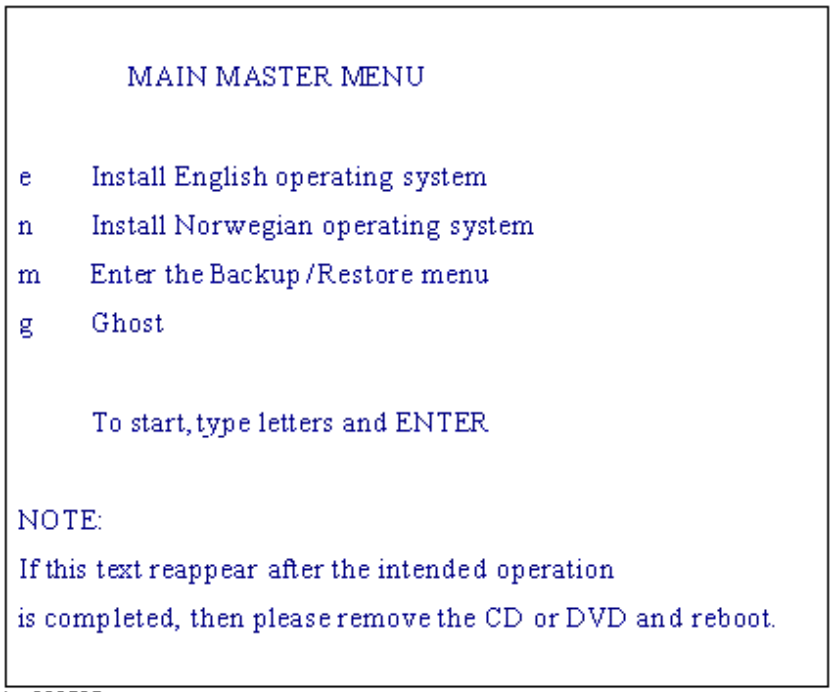
You use selection **1** (Total System Backup) on the **MAIN MENU** to make a complete backup of the hard disk to the DVD-RW. You use menu selection **2** (Total System Restore) to restore the information from the DVD-RW to the hard disk.

2.1.2 Performing backup/restore via the System Setup DVD

After rebooting the system using the *System Setup* DVD, the following **MAIN MASTER MENU** is displayed:

Figure 2 Main Master Menu



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You use selection **m** to enter the Backup/Restore menu. This will enter the **MAIN MENU** (as described in *Main Menu* on page 6).

When entered the **MAIN MENU**, use selection **1** (Total System Backup) to make a complete backup of the hard disk to the DVD-RW, and selection **2** (Total System Restore) to restore the information from the DVD-RW to the hard disk.

2.1.3 How to backup the computer hard disk to DVD

The following procedure shows how to take a complete system backup of the MP7600 computer.

1 Insert the latest *System Backup* DVD (disk no. 1 of y) into the computer DVD-RW drive.

2 Reboot the computer by pressing the ON-OFF switch on the computer and wait until the computer is totally shut down. Then press the **ON-OFF** switch to restart.

The **MAIN MENU** followed by the DOS prompt **Q:**\> is displayed, (refer to *Main Menu* on page 6).

3 Type **1** and press **Enter**. This executes the **Total System Backup** command in the **MAIN MENU**.

4 The text :

“PLEASE IGNORE GHOST’S NOTIFICATION ABOUT “DISK 2”.

THIS IS AUTOMATICALLY TAKEN CARE OF.”

Press any key to continue . . .

5 Press a key on the keyboard. The following text is displayed:

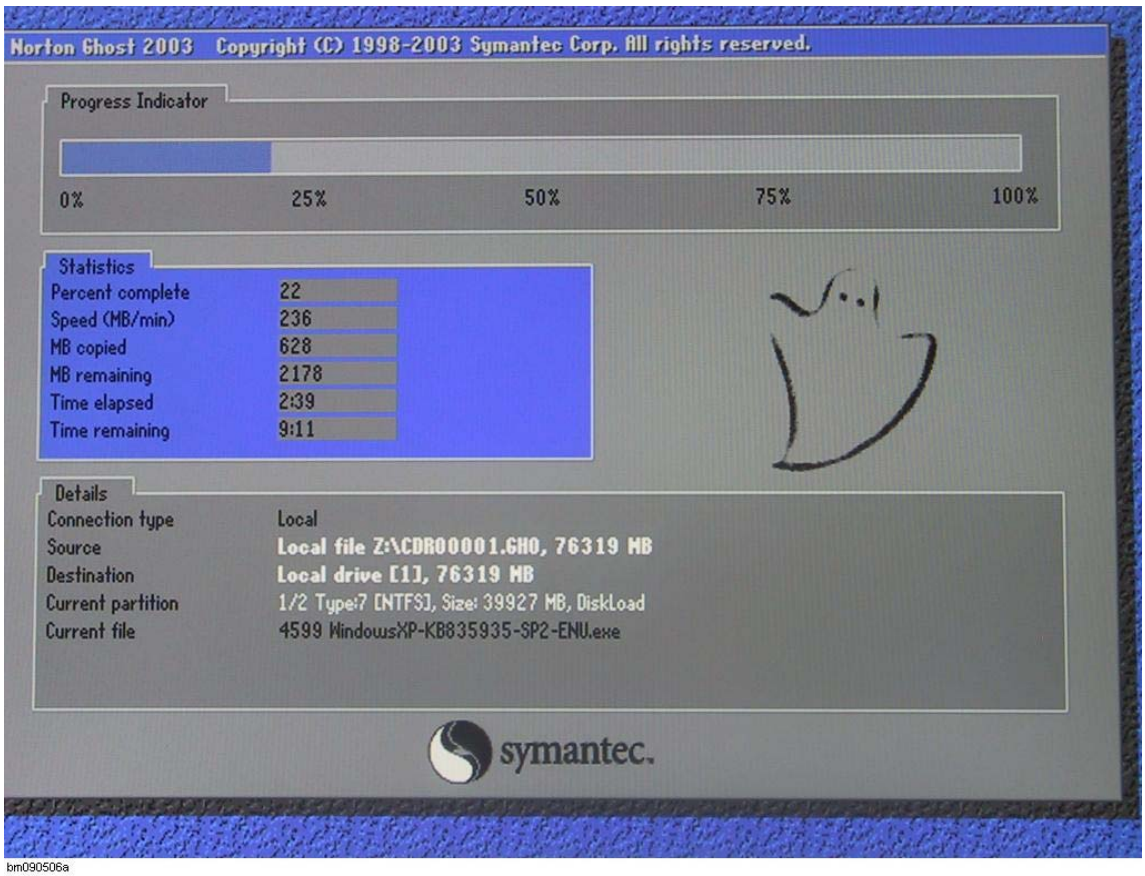
“If You are using Boot Diskettes created by the Ghost Boot Wizard

ensure you have disk 2 (containing Ghost.exe) available when booting from CD/DVD.”

6 Remove the *System Backup* DVD from the computer DVD-RW drive, and insert a blank DVD-RW.

7 Click **OK**.

8 Follow the Progress Indicator in the displayed dialog box:



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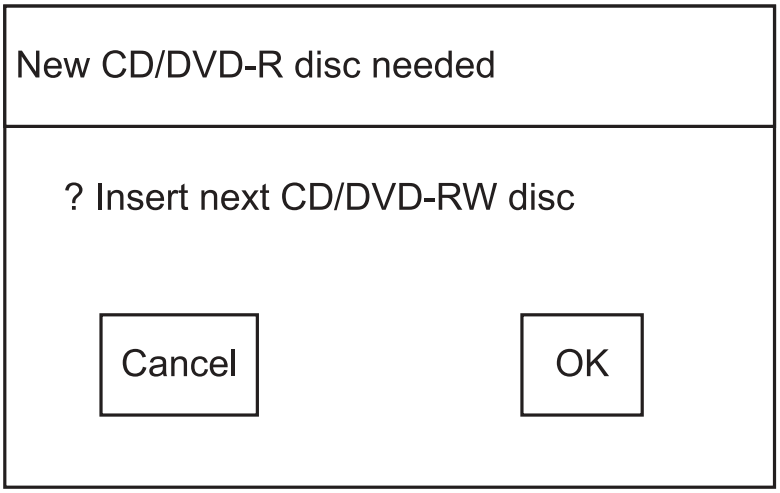
9 If one DVD-RW is full, the following dialog box pops up:



(Vis1134b)

10 Swap the DVD-RW disk with a new one and click OK to continue.

11 Mark the DVD-RW disk with **DVD x of y** using a suitable pen.

12 Repeat steps 9, 10 and 11 until the backup is complete.

13 When the Backup is complete, the following message is displayed.

"Total System Backup finished!

Press any key to continue…"

14 Remove the last DVD-RW disk, mark the disk with **DVD x of y** using a suitable pen.

15 Press **Enter**.

The DOS prompt **Q:**\> is displayed.

16 Reboot the computer by turning it **OFF** and then **ON**.

17 Label the DVD-RW disks with the name of the operator station, computer serial number and date of the backup before you store the backup in a safe place.

2.1.4 How to restore the computer hard disk from DVD

The following procedure shows how to Restore a complete system backup of a computer.

1 Insert the latest *System Backup* DVD (disk no. 1 of y) into the computer DVD-RW drive.

2 Reboot the computer by turning it **OFF** and then **ON**.

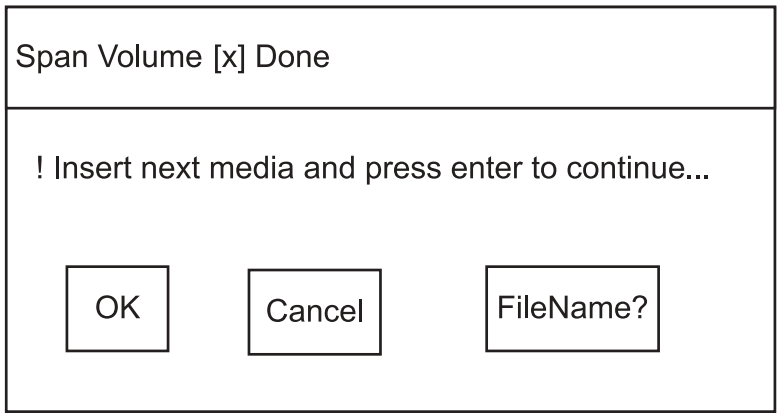
The **MAIN MENU** followed by the DOS prompt **Q:**\> is displayed, (refer to *Main Menu* on page 6).

3 Type **2** and press **Enter**.

This executes the **Total System Restore** command in the **MAIN MENU**.

4 Follow the Progress Indicator dialog box (refer to *How to backup the computer hard disk to DVD* on page 7.

When one backup CD is read, the following dialog box pops up.



(Vis1133)

5 Swap the DVD-RW disk with the next one and click **OK** to continue.

6 Repeat steps 4 and 5 until the restore is complete.

7 When the restore is complete, the following message is displayed.

"Total System Restore finished!

Press any key to continue…"

8 Remove the last DVD-RW disk.

9 Press **Enter**.

The DOS prompt **Q:**\> is displayed.

10 Reboot the computer by turning it **OFF** and then **ON**.

The computer now starts the Windows XP and the SXX/NAVXX application programs as appropriate. The restore is now completed.

11 If a dialog box is shown telling:

"Device settings have been changed. Do you want to reboot now to activate changes?"

Then click **No** in this dialog box because the computer has been restarted already without being able to show this message.

2.2 Backup and Restore Procedures via external USB hard disk

Note

This procedure is to be performed by KM personnel only.

Hardware required: External Hard Drive with USB connection (preferable USB 2.0).

The USB Image Backup disk does not boot properly when the new USB panels are connected. Therefore the USB panel needs to be disconnected before connecting the USB disk and rebooting the system for backup. The procedure is as follows:

1 Shutdown the OS.

2 Unplug the USB panel from the OS/PC.

3 Connect the USB backup disk.

4 Power On the OS and follow regular backup/restore procedure.

5 IMPORTANT: Reconnect the USB panel before restarting the OS.

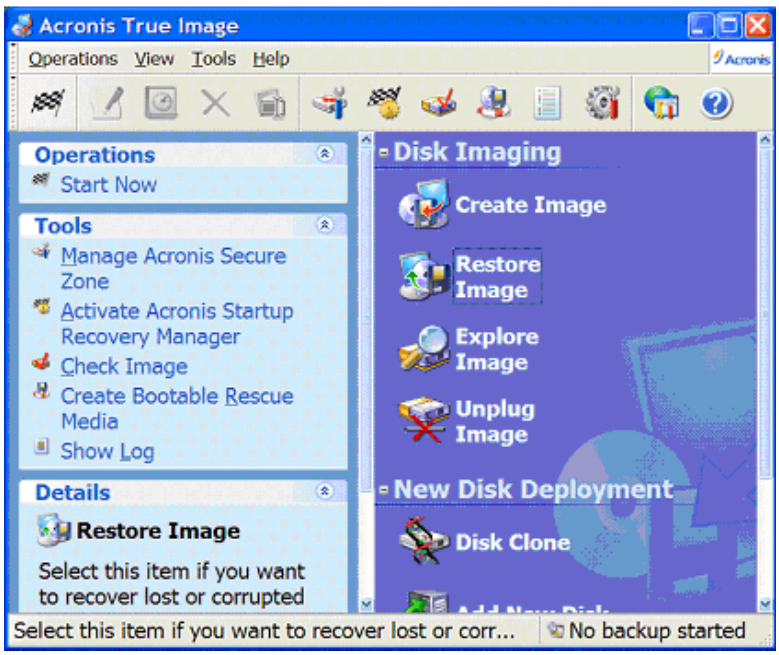
2.2.1 How to prepare a USB boot hard disk, OS Image Backup

Software required: Pre-installed Acronis True Image on the local PC (Standard KM backup utility).

The image file is located on the KSWeb, copy the path and paste in into the IE: http://ksweb/kma/SW%20application_Software.htm#How to make USB boot disk.

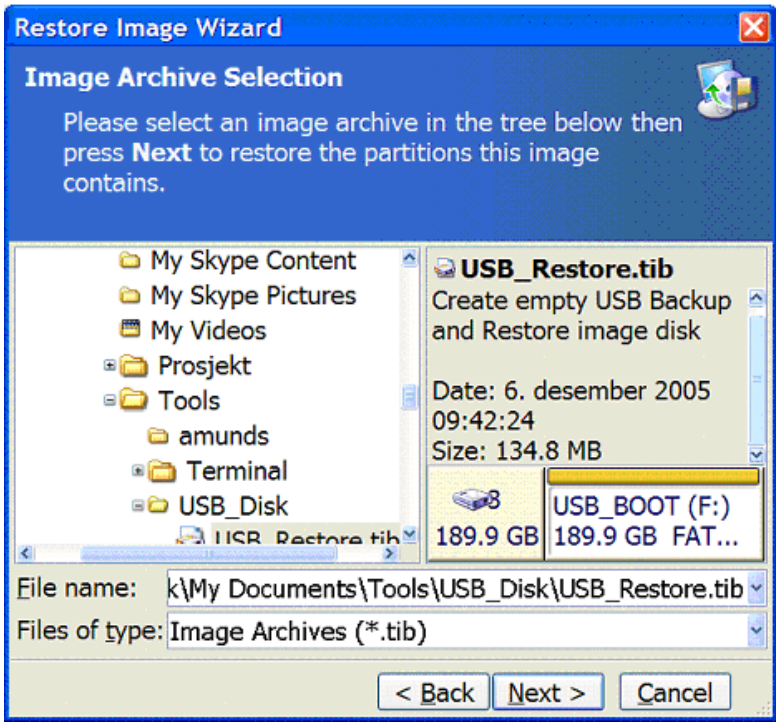
1 Connect the empty USB Hard disk to your computer.

2 Start Acronis True Image from Windows and the following dialog is displayed:



3 Select *Restore Image* and the following dialog is displayed:

4 Click *Next* and the following dialog is displayed:

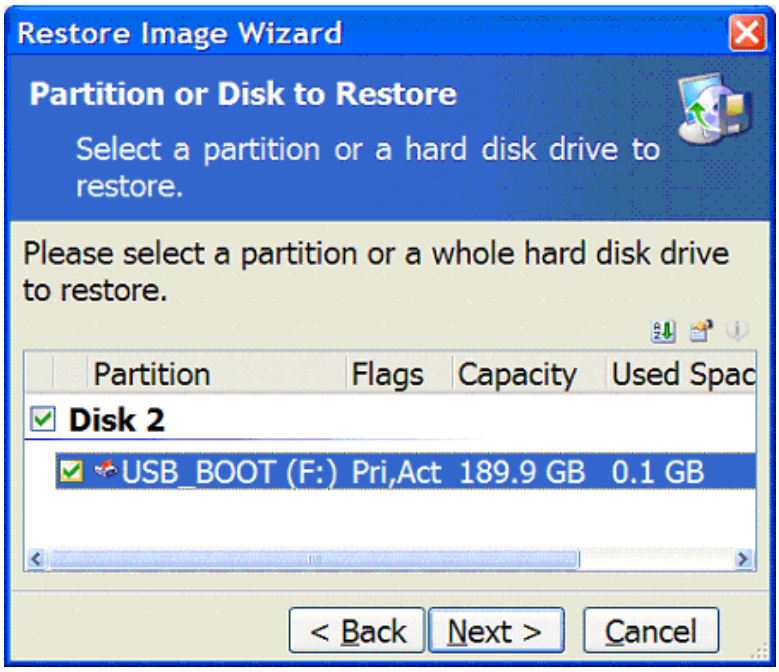


5 Find and select the locally stored image file *USB_Restore.tib*.

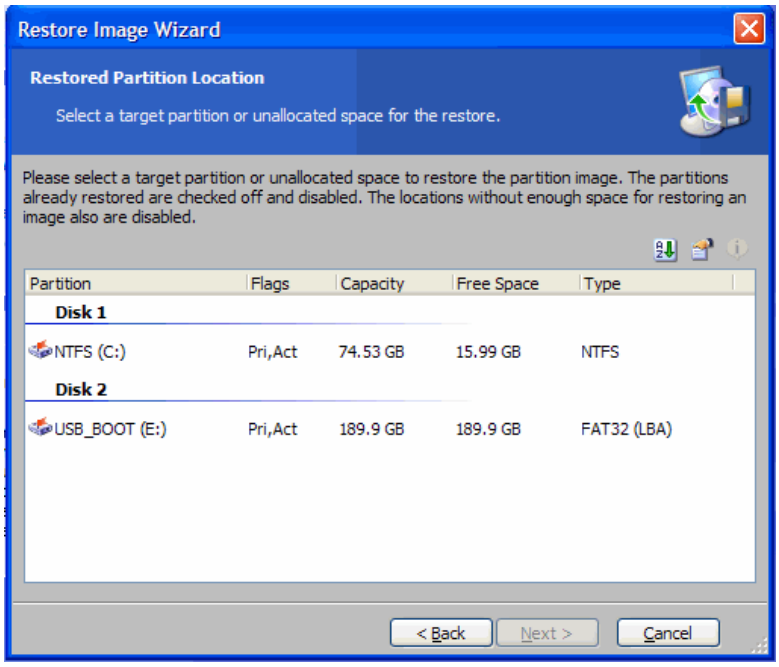
6 Click *Next* and the following dialog is displayed:

7 Select *Yes, I want to verify image archive.*

8 Click *Next* and the following dialog is displayed:



9 Tick off both check boxes, click *Next* and the following dialog is displayed:



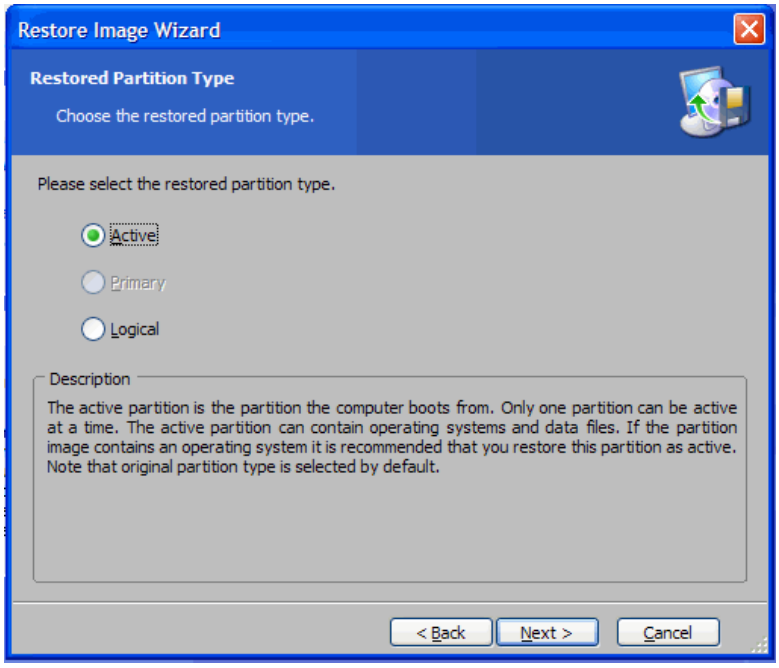
10 Select the Empty External USB hard disk.

Note

It is extremely important that you select the empty disk, because all other data on this disk will be erased.

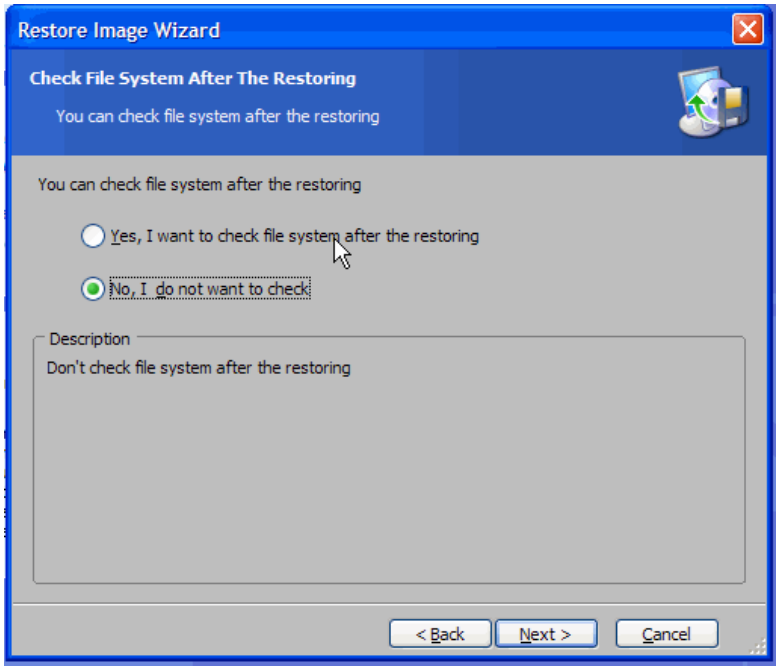
Some times the selection window/frame needs to be scaled in order to display drive alternatives.

11 Click *Next* and the following dialog is displayed:



12 Select *Active*, click *Next* and the following dialog is displayed:

13 Select *FAT32*, click *Next* and the following dialog is displayed:

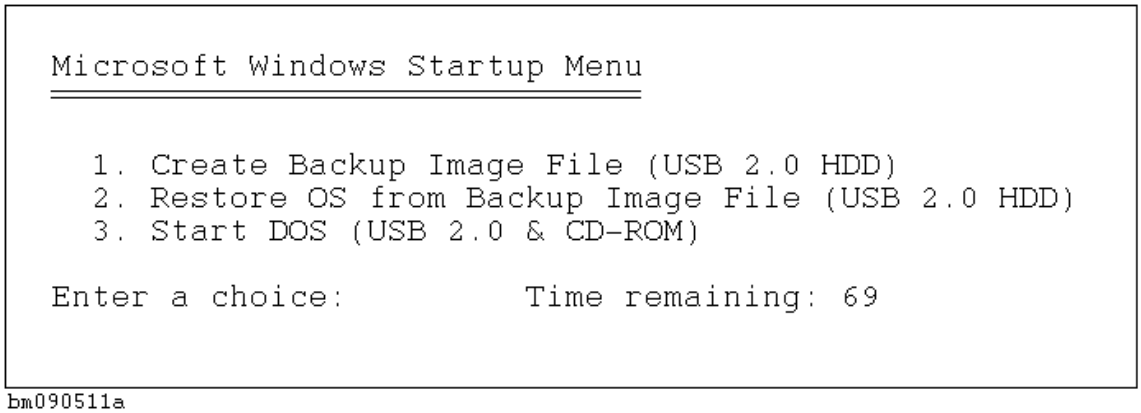


16 Select *No, I do not want to check*, click *Next* and the following dialog is displayed:

17 Select *No, I do not*, click *Next* and the following dialog is displayed:

2 Connect power to the external USB hard disk using the power cable following the USB hard disc.

3 The following Startup menu is displayed:



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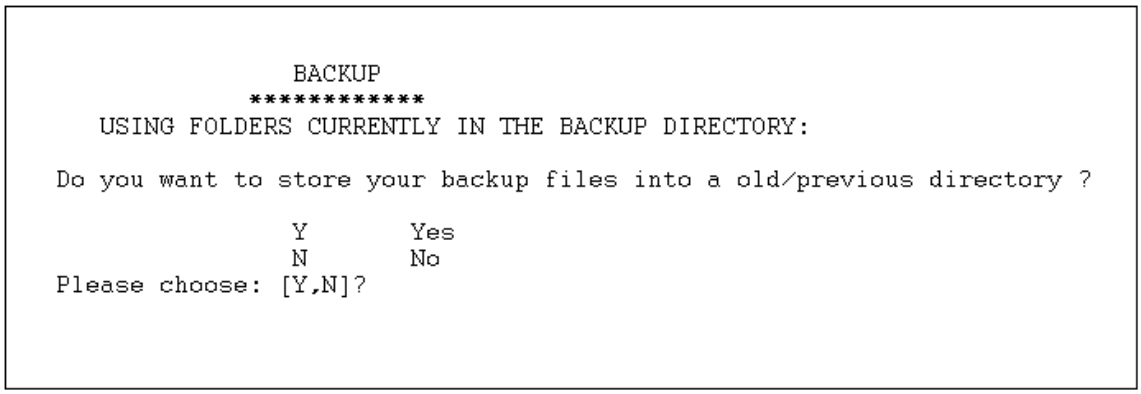
4 Select *1* for creating backup image file and the following dialog is displayed:



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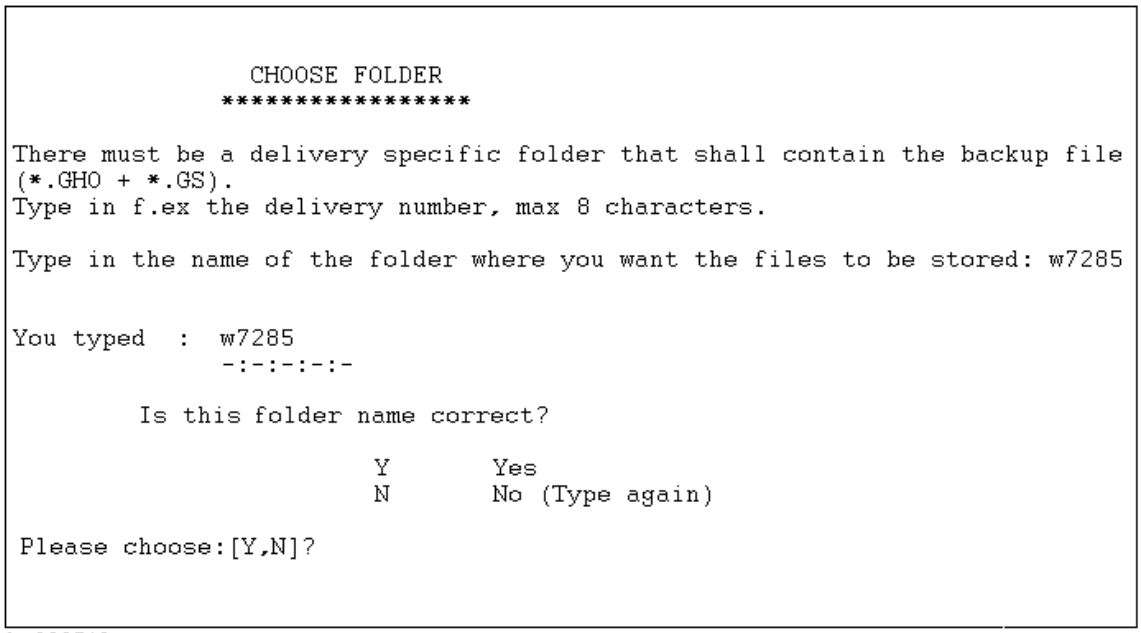
5 Type *N* and the following dialog is displayed:



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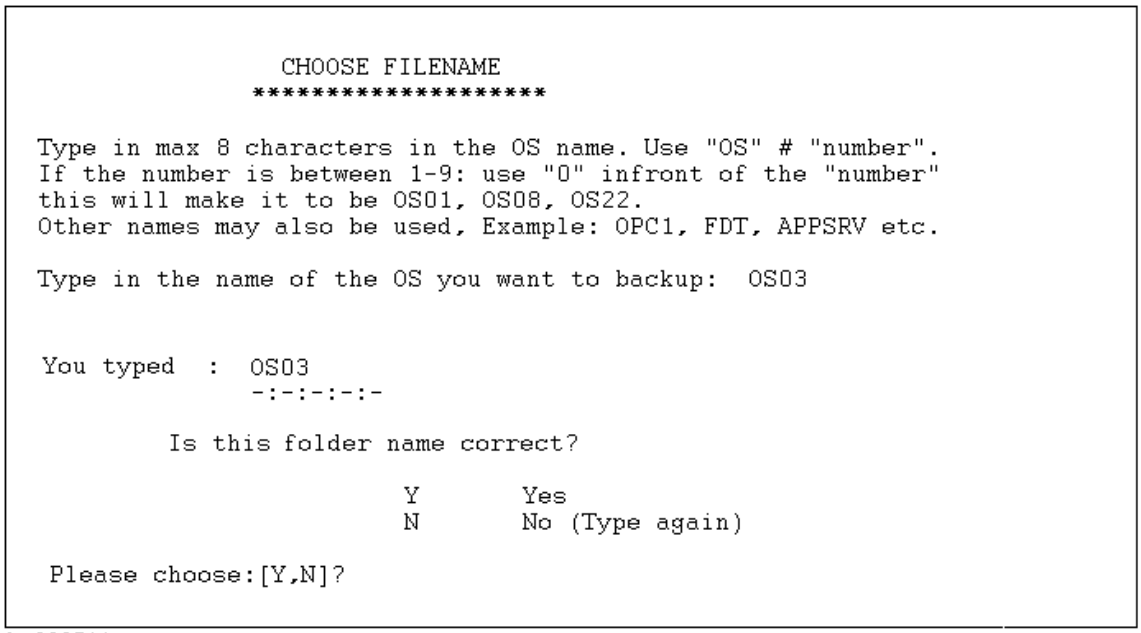
6 Type in *Folder name*, verify correct folder name and type *Y* and the following dialog is displayed:



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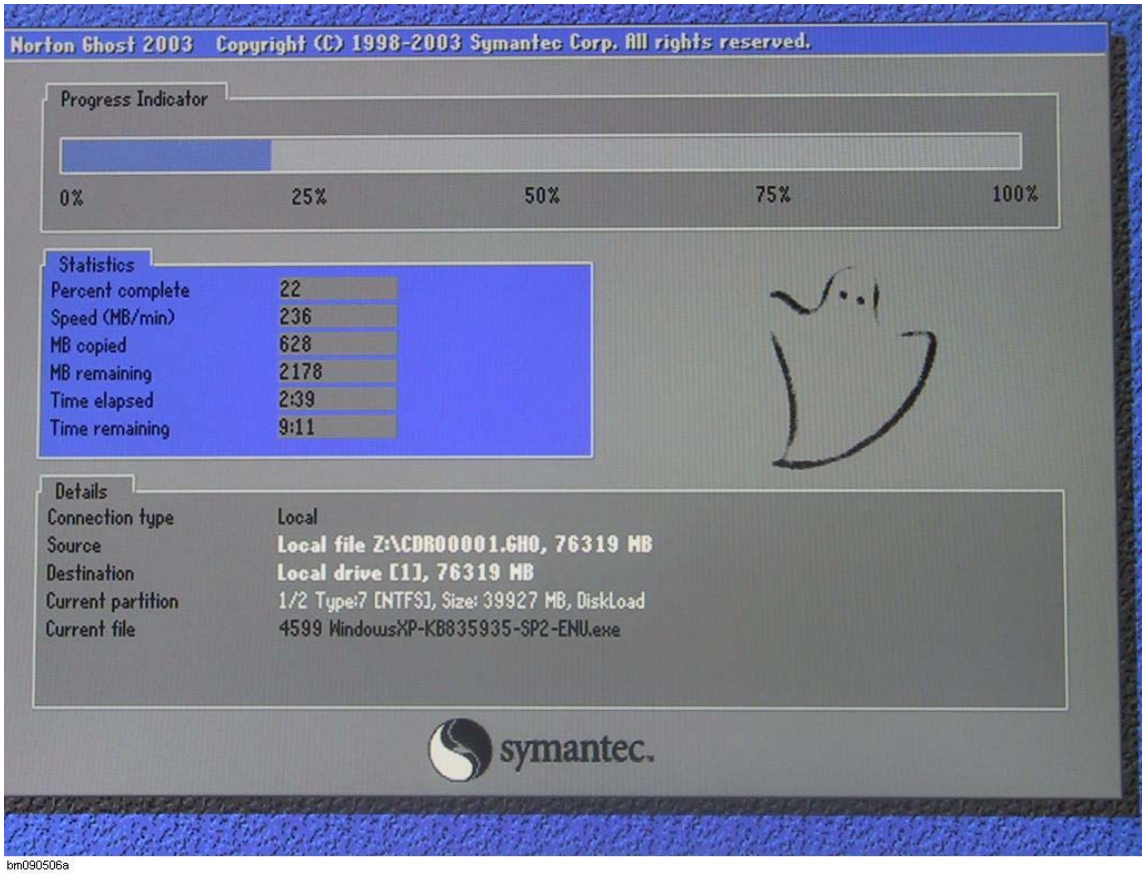
7 Type in *Filename*, verify correct file name and type *Y*.

8 The backup will start and a dialog like the one below is displayed. Follow the progress indicator to get an idea about remaining backup time.

Note

Depending on the size of the hard disk, the backup time may take as much as 20-30 minutes.



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9 When backup is finished, the dialog is closed and the DOS prompt is displayed, like this:

C:>IMAGES

2.2.3 How to restore the computer hard disk from external USB hard disk

1 Connect the external USB hard disk to a free USB port on the OS.

2 Connect power to the external USB hard disk using the power cable following the USB hard disc.

3 The following Startup menu is displayed:

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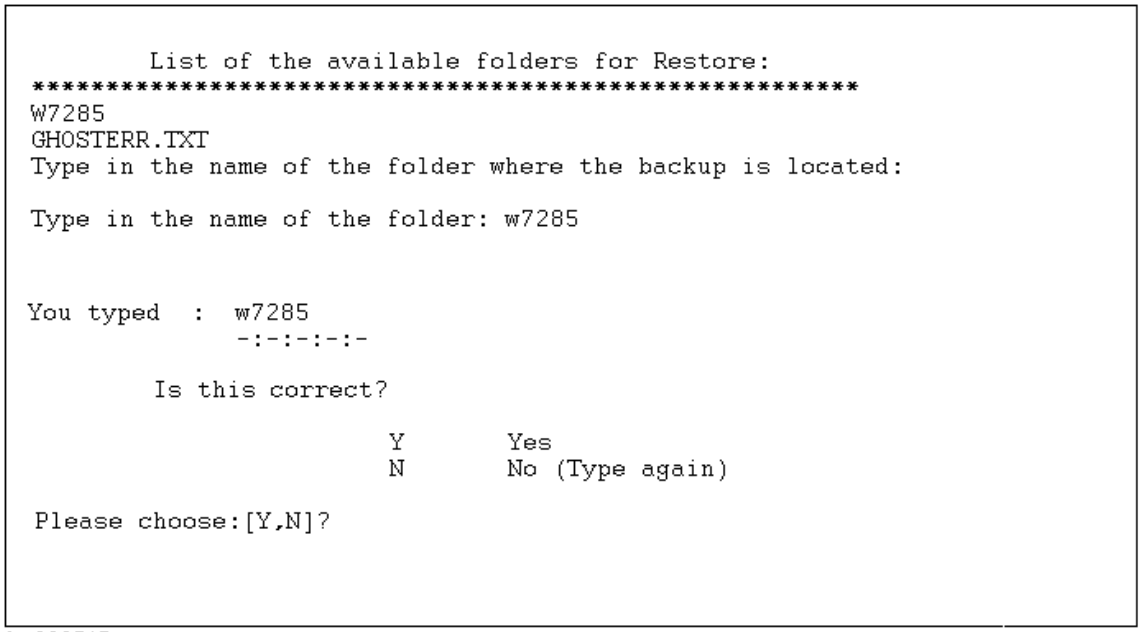
4 Select *2* for restoring from backup image file and the following dialog is displayed:



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5 Type in *Folder name*, verify correct folder name and type *Y* and the following dialog is displayed:

```
        List of available backups
*****************************************
OS03.GHO
OS04.GHO
OS04001.GHS
OS04002.GHS
Type in the name of the backup that shall be writen to the harddrive
in the OS. Use only the OS-name + number (Do not include ".gho").
Type in name: OS04

The Restore file name is: OS04.gho

        All data on the harddrive will be erased!
    (Overwriten with backup .gho, from external USB-harddrive)

You typed:   OS04
              -:-:-:-:-

         Is this correct?

                        Y       Yes
                        N       No (Type again)
Please choose:[Y,N]?
```

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6 Type in *Restore file name*, verify correct file name and type *Y* .

7 The following dialog is displayed:

Question : (1825)

Pattern sizes correct?. Click *Yes*.

8 Before restore is started, the following is displayed:

Question : (1822)

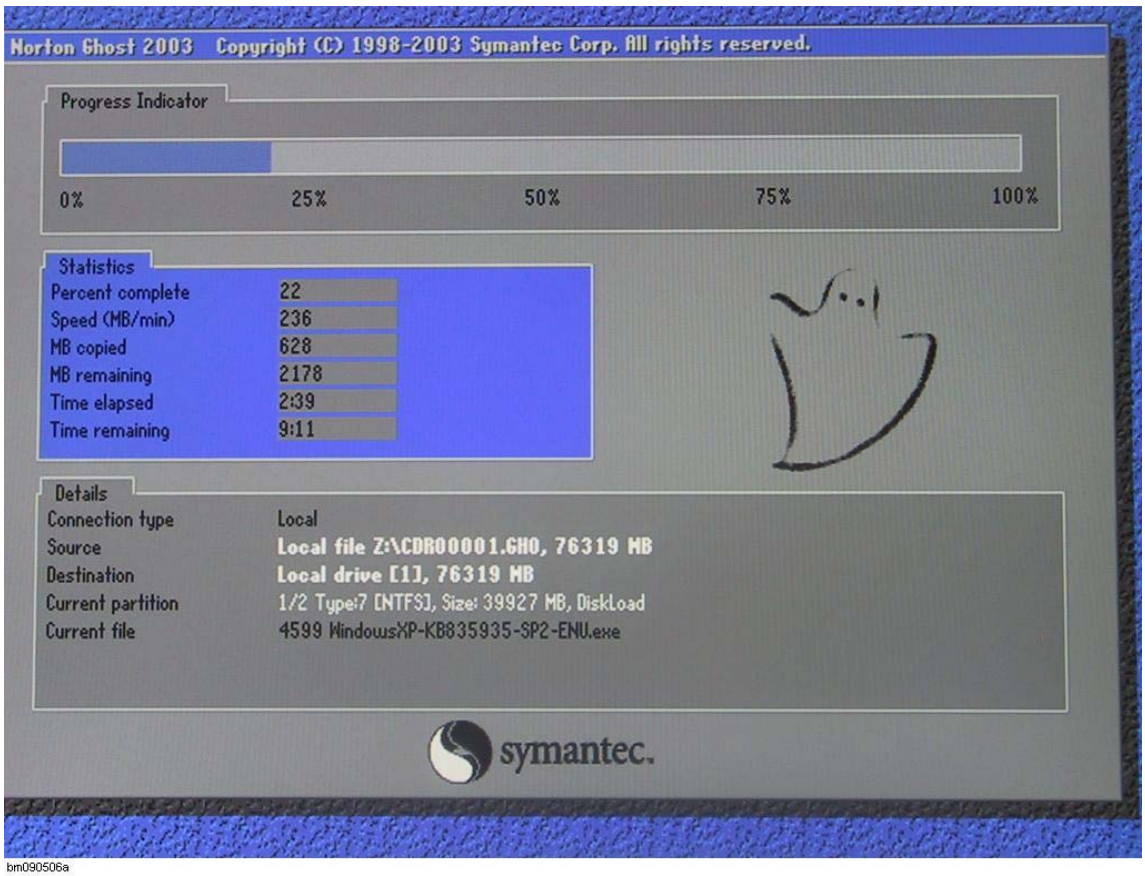
Proceed with disk restore?
Destination drive will be permanently overwritten.

9 Click *Yes*.

The restore will start and a dialog like the one below is displayed. Follow the progress indicator to get an idea about remaining restore time.

Note

Depending on the number and size of the files to be restored, the restore time may take as much as 20-30 minutes.



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10 When restore is finished, the following question will be displayed:

Clone Complete: (1912)

Clone Completed successfully

11 Click *Continue*, the dialog is closed and the restore is finished.

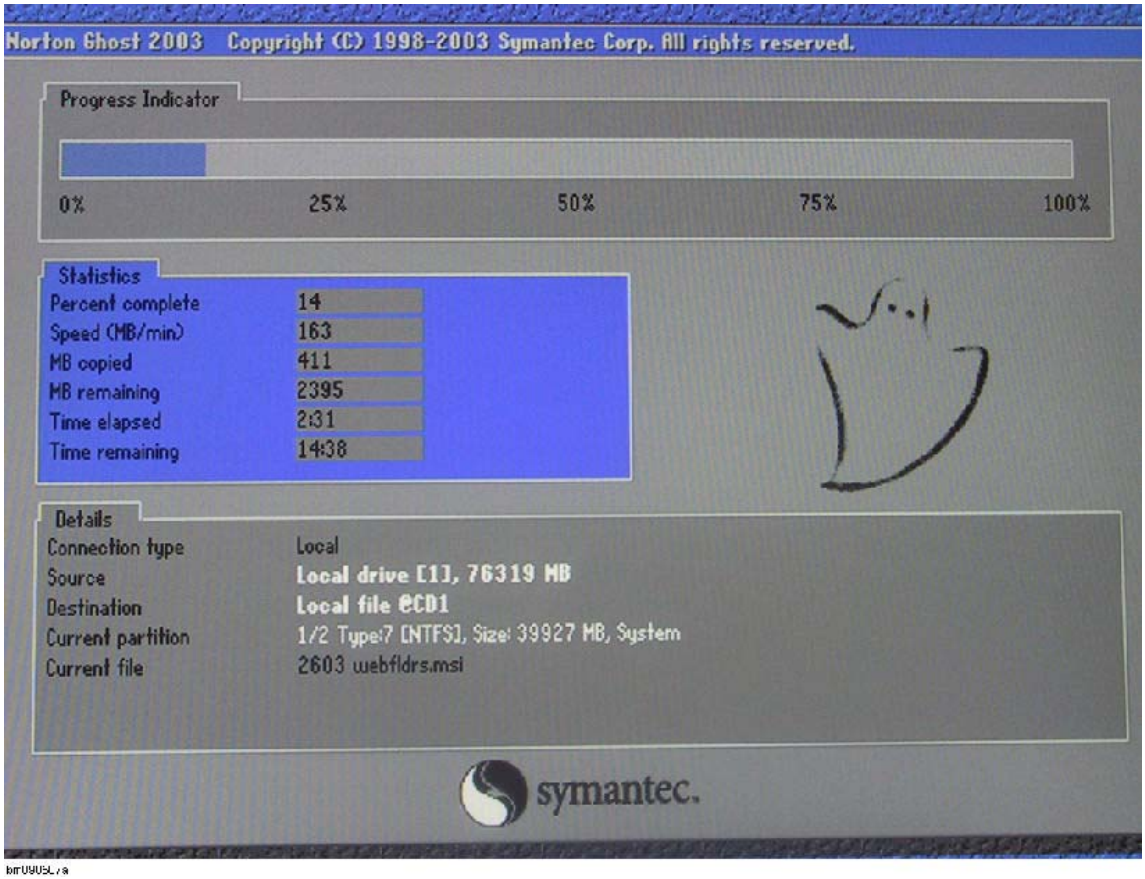
2.3 How to install XP operating system

If a disk error situation comes up, and you have to install the XP operating system all over again, perform the following procedure:

1. Put the *System Setup DVD* into the DVD drive.
2. Reboot the computer by pressing the **ON-OFF** switch on the computer and wait until the computer is totally shut down. Then press the **ON-OFF** switch to restart.

   The **MAIN MASTER MENU** followed by the DOS prompt **Q:**\> is displayed:

   Refer to *Main Master Menu* on page 7.
3. Select operating system to be installed (**e** or **n**), and press **Enter**.
4. The following dialog is displayed while the operating system is being installed:



5. When installation of XP operating system is completed, the computer comes up showing your desktop in XP style.
6. Reboot the computer by pressing the **ON-OFF** switch on the computer and wait until the computer is totally shut down. Then press the **ON-OFF** switch to restart.
7. The following dialog is shown:

```
      Preparing Maritime Workstation
      Please select edition:
<1>   KM-OS Standard Workstation
<2>   KM-OS PCAnywhere Workstation
<3>   ROS Workstation

Your Choice? <1, 2, 3> 1
Are you sure? <y, n>   y
```

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Note

The following choices are available:

<1> is for all standard ICS, PA and NAV installations.

<2> is for DP with PCAnywhere.

<3> is for Remote Operating Station.

8 Select as appropriate.

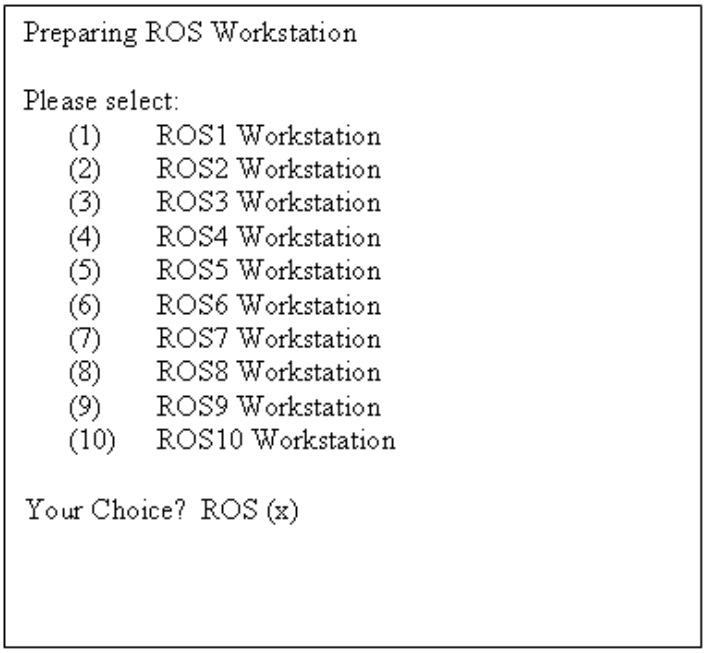
a If **1** is selected, and **Enter** is pressed, the XP Setup for ICS/PA/NAV system is configured.

Note

During the configuration process the computer will be rebooted a number of times.

b If **2** is selected, and **Enter** is pressed, the XP Setup for DP system is configured.

c If **3** is selected, and **Enter** is pressed, the following dialog for further ROS Workstation preparation, is displayed:



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The user is to select station number, and then the IP addresses and station name is automatically selected.

9 When preparing of Maritime Workstation is completed, the computer comes up showing your desktop in XP style.

Note

When XP is reinstalled, setup is to be performed.

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