Introduction

This publication describes the software upgrade procedure for the 4190 Information Management System (IMS).

Inspecting Contents of Shipment

Upon unpacking your Simplex® product, inspect the contents of the carton for shipping damage. If damage is apparent, immediately file a claim with the carrier and notify your local Simplex product supplier.

In this Publication

This publication discusses the following topics:

Cautions and Warnings

READ AND SAVE THESE INSTRUCTIONS. Please follow the upgrade instructions below. Following these instructions avoids damage to this product and its associated equipment. The product operation and reliability depend upon proper installation.

ELECTRICAL HAZARD - Disconnect electrical field power when making any internal adjustments or repairs. All repairs should be performed by a representative or authorized agent of your local Simplex product supplier.

STATIC HAZARD - Static electricity can damage components. Therefore, handle as follows:

- Ground yourself before opening or installing components.

- Prior to installation, keep components wrapped in anti-static material at all times.

Installing the Software

Follow the six steps below to upgrade software for the IMS.

Backing Up a Job

NOTE: This section describes the New Network Programmer only.

Backup creates a compressed version of the job and stores it as a *read/write* version of the job on either a removable storage medium or a remote disk.

1. Follow these steps to back up a job:

a. Start the Network Programmer; highlight the network containing the IMS, click the Utility menu, and select the Backup option.

   A dialog, similar to the one shown in Figure 1, appears.

b. Type in or browse to the destination drive and directory.

   If you want to include existing reports and history logs, check off the Reports and History Log fields under "Include."

c. Click the **OK** button and then the **OK** button again after verifying the information in the Backup Comment dialog box.
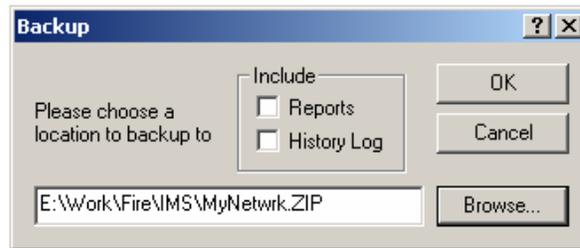
Figure 1. Backup Dialog

PC Set-Up

2. If Windows® 2000 operating system software must be installed on your computer, follow the instructions given in the Microsoft™ documentation for this product. Refer to article ID 304868 in www.microsoft.com, if documentation is not available. After the Windows® 2000 operating system has been installed, modify the computer for IMS operation in the following manner.

If retaining existing hardware, keep IRQ settings as is. If upgrading existing hardware, refer to Publication 579-409 (4190 IMS Installation & Checkout Instructions) for IRQ setting information.

BIOS Setup: Modify the BIOS Setup as follows:

a. Select **PNP/PCI Configuration**.

b. Change IRQ 5, 9, 10, 11, 15 from PCI/ISA PnP to **Legacy ISA**.

c. Press **<ESC>**("Save Changes and Exit").

Taskbar: Modify the Taskbar as follows:

a. Click the **Start** button and select **Settings,** then **Taskbar,** and **Start Menu**.

b. Remove Checkmark (✓) from "Always on top."

Display: Set the Display options as follows:

a. Click the **Start** button and select **Settings**, then the **Control Panel** menu.

b. Double-click the **Display** icon.

c. Under the **Settings** tab, set the "Desktop Area" to **800 by 600 pixels**. Click **Apply**. Windows® will ask you to view the new test setting; then make the change.

d. Under the **Screen Saver** tab, set the Screen Saver selection to **(None)**. *(Alarm messages on the computer screen cannot be seen when the Screen Saver is running.)*

Installing the 4190 IMS Software

Notes:

a. First, install the IMS programmer and then the New Network Programmer on this machine. This is required to establish proper icon setup.

b. If used for network programming, you should first install the IMS software and then install the updated Network Programmer.

c. Before upgrading the existing IMS programmer to a newer version, remove the previous version of the IMS programmer using the Windows® "add/remove programs," and reboot the computer before installing the new version of the IMS software.

The Information Management System software comes on a CD. The IMS Information Management System CD also contains the IMS Programmer.

The IMS software is easy to install and requires less than 20 Megabytes of free disk space on the target system. Minimum space requirements are automatically verified during installation and the installation process is terminated if the minimum system requirements are not met.

3. To install the Information Management System Software, complete the following steps:

a. Insert CD into the CD-ROM drive.

b. From the Windows® 2000 **Start** menu, select **Run**. The system displays a command line dialog box.

c. On the command line, type **D: ims.exe** (where D: is the CD drive letter) and select **OK**. The system displays the message Install Shield dialog box.

d. Follow the on-screen instructions to install the IMS software.

e. During the installation, you may get messages such as, "The following file is already installed on your system.", "Do you wish to overwrite this file?", or "Read only file detected." In all such cases, press the **Yes to all** button, or if there is no **Yes to all** button, then press the **Yes** button to overwrite all existing files.

Note: The RUNTIME NODE option has been eliminated because all systems now will require the Programmer for setting up drivers.

f. Remove the CD from the drive and store it in a safe place for future use.

g. Restart the computer by choosing **Shutdown** from the **Start** menu.

h. To start the IMS Runtime upon computer power-up, place the IMS Runtime shortcut in the "All Users start up" folder.

i. To prevent the IMS Runtime from starting, hold down the shift key when starting Windows®.

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j.   Right click on the IMS Runtime or IMS Programmer shortcuts on the computer. Check in Start-Programs-Simplex-IMS, In the Start-Programs-Startup, on the desktop, or any other created place. Select Properties and ensure that "Run in separate memory space" is checked.

Restoring a Backed-Up Job

This is done using the New Network Programmer, and not the IMS Programmer. The New Network Programmer must be installed before this step can be performed.
Restore allows previously backed-up jobs to be retrieved for subsequent viewing or editing.

4.   To restore a backed-up job, follow these steps:

a.   Click the **Utilities** menu and select the **Restore** option.

A dialog, similar to the one shown in Figure 2, appears.
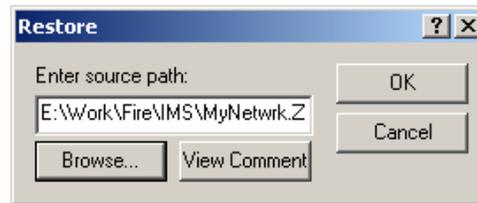
Figure 2. Restore Dialog

b.   Type in or browse to the destination drive and directory.

c.   Click the **OK** button.

If a file by the same name exists in the target directory, a prompt appears asking if you want to overwrite the file. Click the **Yes** button to overwrite the file.

Opening the GCC with the IMS Programmer

5.   Follow the steps below to upgrade the GCC to IMS:

a.   Start the New Network Programmer.

b.   Set the path for the GCC in the Utilities-Programmer directories menu to C:\WINEXE4.

c.   Open the network and open the GCC node.

d.   Save the GCC as an IMS by clicking **File-Save**.

e.   Change the path for the GCC back to C: WINEXE before exiting the New Network Programmer.

A dialog, similar to Figure 3, appears to prompt you to click the **Apply** button.

Configuring the Registry

At this point, you need to configure the registry from the Programmer.

6.   Follow the steps below to configure the registry:

a.   Start the Programmer and click **Configure**.

b.   Next, click **Registry Configuration**.

A confirmation dialog appears, click the **Apply** button.
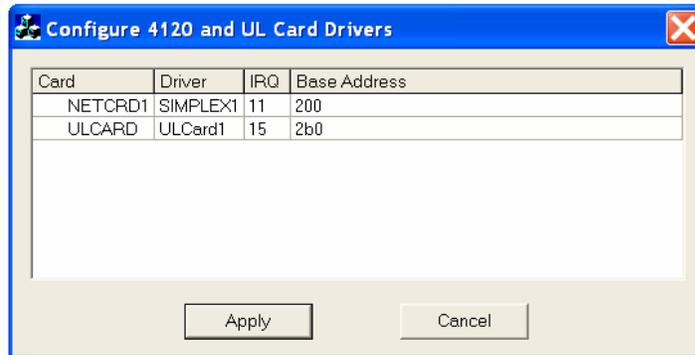
Figure 3. Registry Configuration Dialog

    c.   Click the **Apply** button to complete the Registry Configuration.

    d.   Remember to re-boot the computer after exiting the IMS and the New Network Programmers.

Building a Job

You must first build the job, in order for it to be set as the active job on this computer.
If errors are detected by the build operation, they are flagged and the build operation aborts.
These errors must be resolved before the build can be performed. Contact your local Simplex
representative for help in resolving build errors.

7.   Follow the steps below to build the job.

a.   Start the Programmer and click **Utilities**.

b.   Next, click **Job Builder**.

    This job will be loaded when you start IMS Runtime.