WinBridge®
Vehicle Scale Information Technology

Configurator Manual

Software Version 1.3.9

C15568200A
(9/00)

INTRODUCTION

This publication is provided solely as a guide for individuals who have received Technical Training in servicing the METTLER TOLEDO product.

Information regarding METTLER TOLEDO Technical Training may be obtained by writing, calling, or faxing:

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Columbus, Ohio 43240
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WITH METTLER TOLEDO
FOR
Win*Bridge*® Software

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CONTENTS

1 Installing WinBridge

Introduction

The WinBridge software program can be configured to meet a wide range of processing requirements. To configure a WinBridge system for a customer, you must understand both the program's capabilities and the customer's needs. You should install WinBridge on your own computer ahead of time so that you have a chance to gain a working knowledge of it before installing it for the customer. Discuss the customer's needs to make sure that WinBridge can meet them. Then determine what setup and configuration work needs to be done to tailor the program for the customer.

The following list outlines the basic steps involved in configuring a WinBridge system:

1. Install the WinBridge program on your computer and get passwords from METTLER TOLEDO (see Chapters 1 and 2).
2. Install the WinBridge Configurator program on your computer (see Chapter 3).
3. Make copies of all files that you will be changing during configuration, and store the original versions as backups.
4. Translate the resource and logmessage files if necessary (see Chapter 4).
5. Use EditWindows to customize the WinBridge screens (see Chapter 5):
   - Hide objects that are not needed
   - Arrange the objects that are visible
   - Edit the text that appears on the screen
   - Change the appearance of objects
   - Add pictures to the screen
   - Change the size of the windows
   - Assign keyboard accelerators
   - Set the tab order for the objects
6. Configure communications with the scale and indicator (see Chapter 6).
7. Configure system parameters (see Chapter 7).
8. Set up operators and define their functions (see Chapter 8).
9. Create reports and tickets (see Chapter 8).
10. Test the configured WinBridge program on your computer.

11. Copy each file that you configured onto a disk to take to the customer's site.
12. Install WinBridge on the customer's computer.
13. Copy the files that you configured onto the customer's computer.
14. Start WinBridge and make sure that it is communicating with the scale and indicator.
15. Test the WinBridge installation on the customer's computer.
16. Show the customer how to enter records into the database tables and how to process transactions.
17. Leave the WinBridge CD and user manual with the customer.
18. Complete the registration card and send it to METTLER TOLEDO. Get passwords from METTLER TOLEDO for the customer.

    IMPORTANT: Passwords need to be entered before the 35-day demonstration period expires. Otherwise, the customer's WinBridge system will shut down.

Installation Overview

You will need to install the WinBridge 1.3.9 program before you can configure it. If you will be configuring WinBridge systems for customers, you should install the complete WinBridge package on your computer. That will allow you to configure systems with any combination of options. The procedure for installing it on your computer is described in the "Configurator Installation" section. The procedure for installing it on a customer's computer is described in the "User Installation" section.

In step 3 of the installation procedure, you will be prompted to select an installation package. A standard installation includes the (1) WinBridge v1.3.9 program, (2) SQLBase Server, (3) SQLBase Client Components, and (4) SQLBase ODBC Driver. The ODBC Driver is optional, but it must be installed if a system requires ODBC connectivity.

In step 5, indicate whether you are installing WinBridge for a configurator or user. When installing the WinBridge program on your computer (Configurator Install), you can select any or all of the different versions of WinBridge. When installing on a customer's computer (User Install), you will be limited to one version: the WB-Professional package, the WB-Standard package, or one of the industry-specific packages.

You will then be prompted to choose (1) a typical installation, which includes all components, or (2) a custom installation, which lets you select individual components. For a custom installation, you will be prompted to select system components:

- The WinBridge files, Initialization file, and 7.0.1 Database are all needed for running the WinBridge program.
- The Report Writer is the add-on Report Module.
- The Configuration files are the files you will need to configure the WinBridge program.
- The Forestry, Waste, Agriculture, and Aggregate files are WinBridge packages designed for specific industries.
- WB-Standard is a simplified version of the WinBridge program.

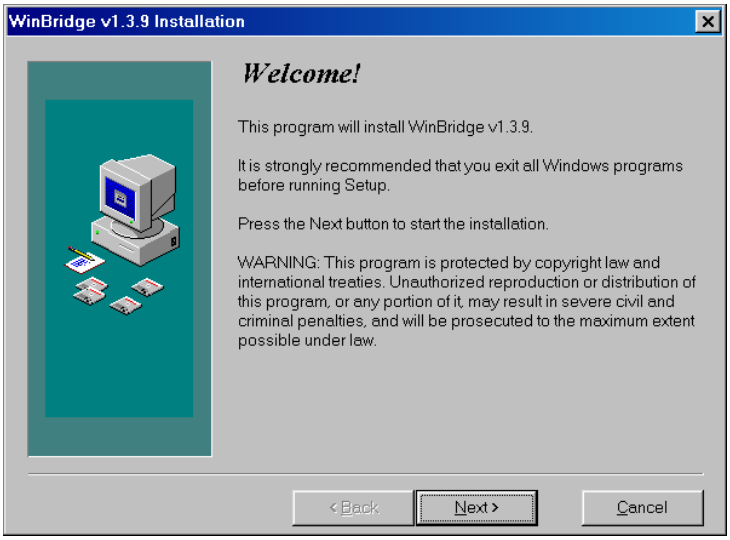
Instructions are also provided for installing WinBridge on a network server and client. To set up ODBC connectivity, see Chapter 2.

NOTE: Make sure that networking is installed on a computer before you install the SQLBase Package for Windows NT/95 (networking).

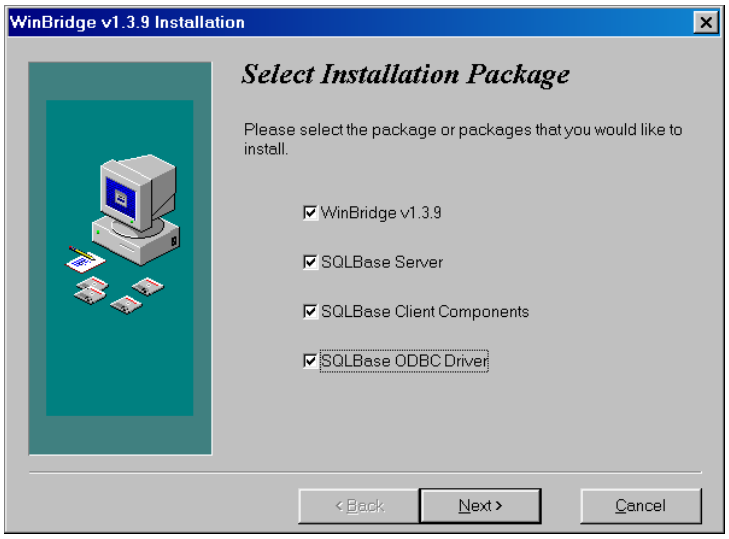
Configurator Installation

If you will be configuring WinBridge systems for customers, you should install the complete WinBridge package on your computer. That will allow you to use any combination of options when you configure a system.

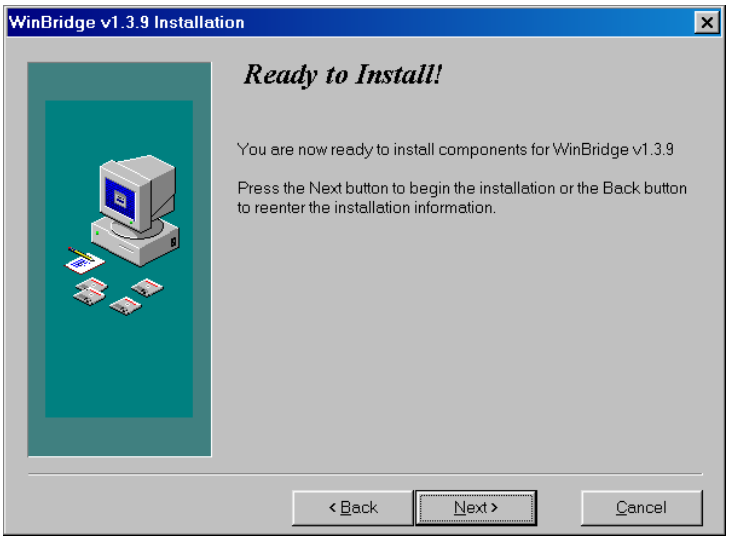
1. To install the program, place the WinBridge 1.3.9 CD in the computer's CD drive. Run the Install.exe file located on the CD. The file might run automatically, depending on how the computer is configured.



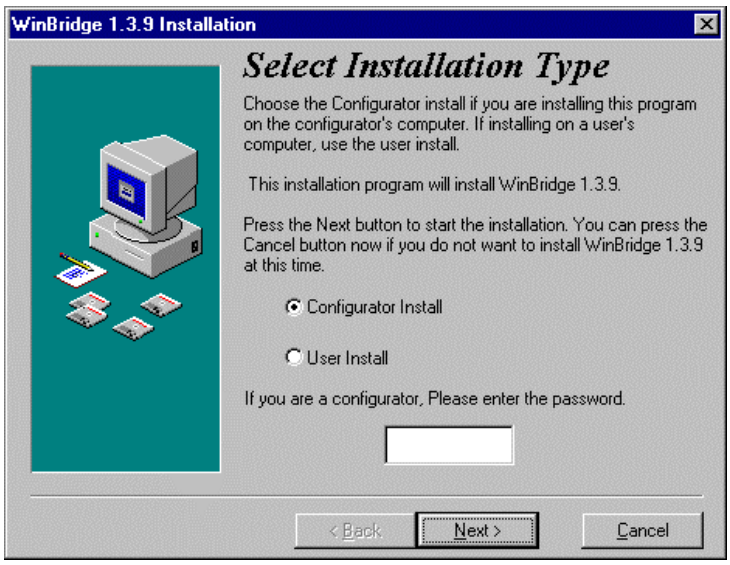
2. Click the **Next** button on the **Welcome** screen.



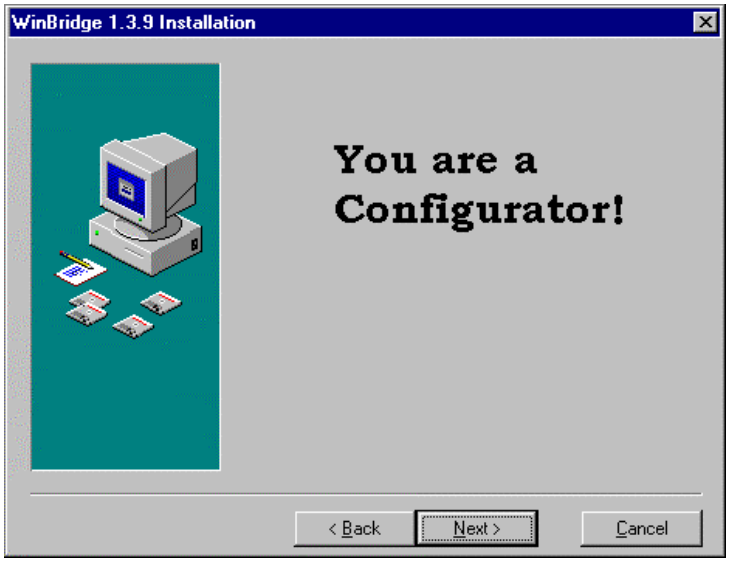
3. Select all of the options by checking all four boxes. The SQLBase ODBC Driver is optional, but you will need it if you want to access the database from programs such as MS Access and Crystal Reports. Then click the **Next** button.



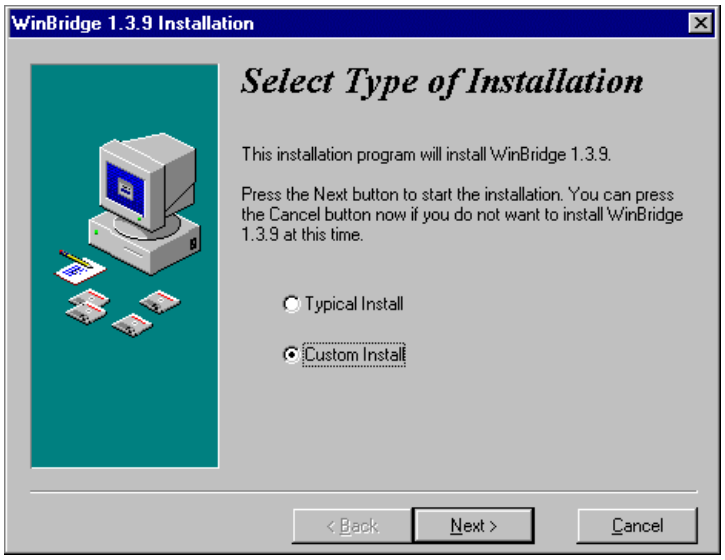
4. WinBridge 1.3.9 is ready to be installed. Click the **Next** button to begin installation.



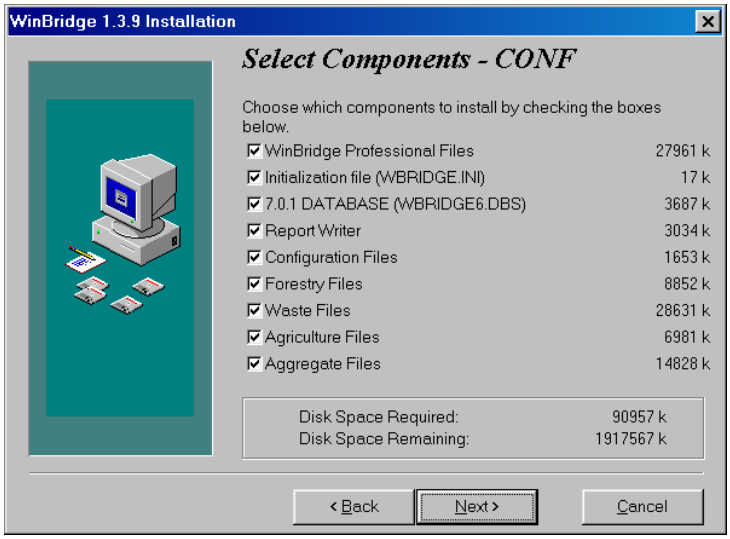
5. Select **Configurator Install** to install WinBridge 1.3.9 and the programs that you will need to configure it. Enter your password, and then click the **Next** button.



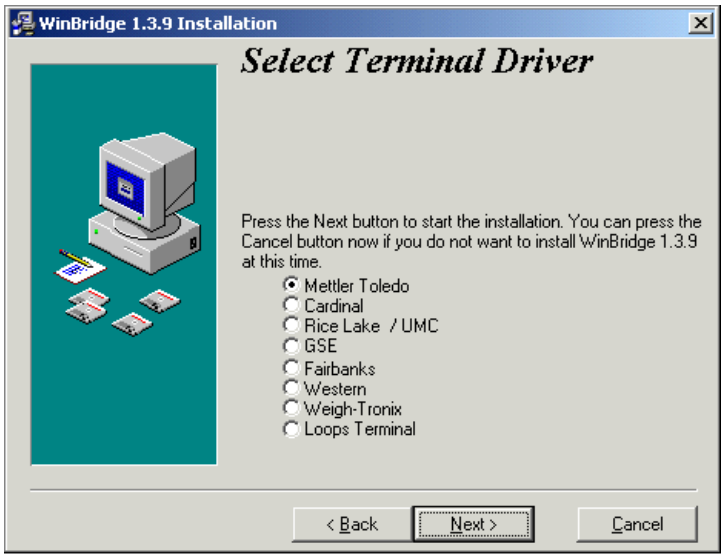
6. You are now ready to do a Configurator Install. Click the **Next** button.



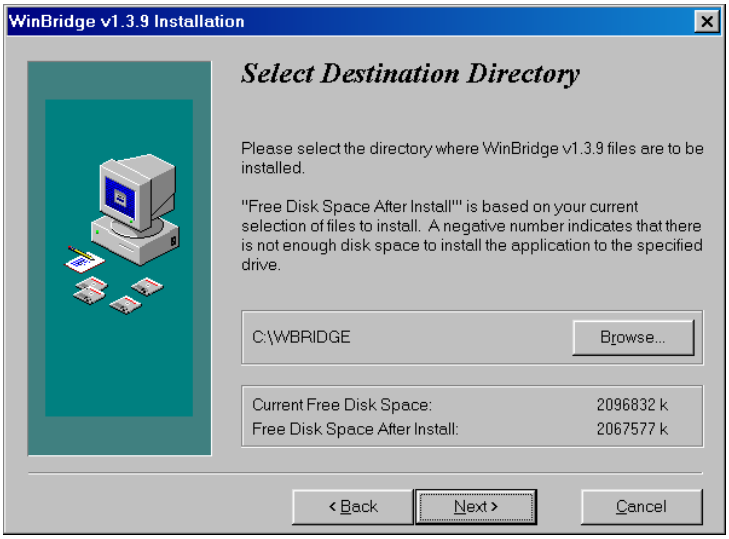
7. Select the type of installation you want. A typical installation includes all components. If you select **Typical Install**, click the **Next** button and proceed to step 9. If you select **Custom Install**, click the **Next** button and proceed to step 8.



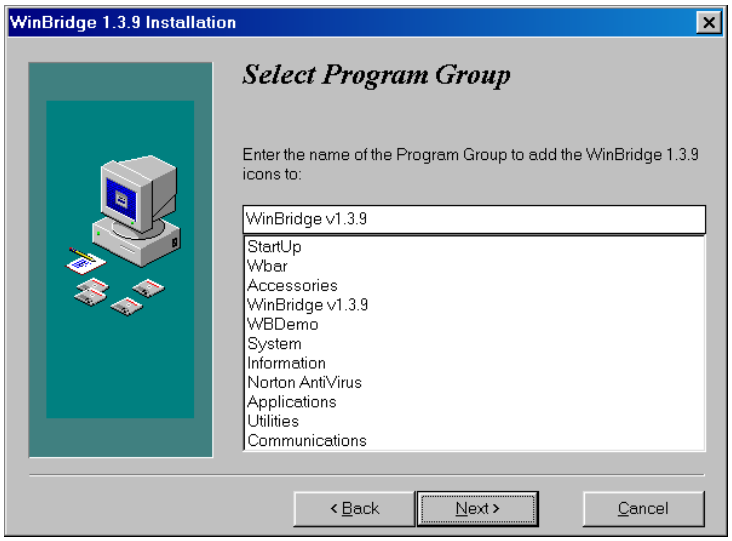
8. Customize the installation by checking the components you want. At a minimum, you must install WinBridge Professional files, Initialization file, 7.0.1 Database, and Configuration files. Then click the **Next** button.



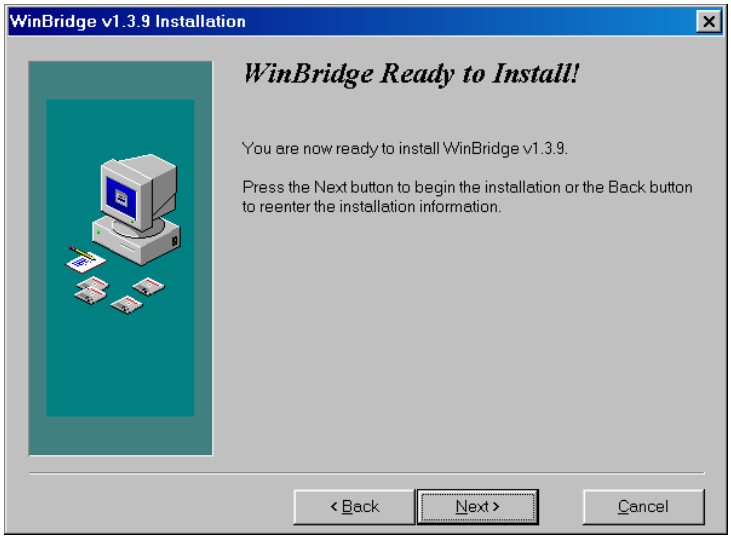
9. Select a terminal driver that matches the type of indicator to be used. Then click the **Next** button. NOTE: The Loops Terminal driver is used only with Jaguar terminals. The Jaguar must be loaded with the JagBasic loops program to function properly.



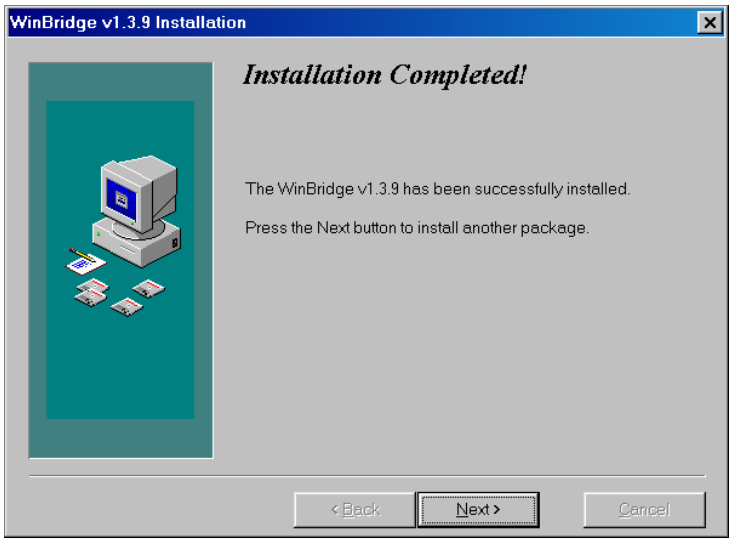
10. Select a destination directory (we recommend using C:\WBRIDGE). Then click the **Next** button.



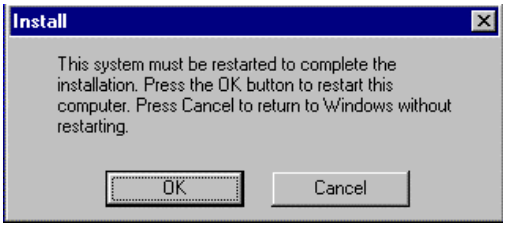
11. Enter the name of the program group for the WinBridge icons (Winbridge v1.3.9 is the default). Then click the **Next** button.



12. Click the **Next** button to begin installing WinBridge. A window will appear, showing the progress of the installation and giving you the option to cancel the installation.

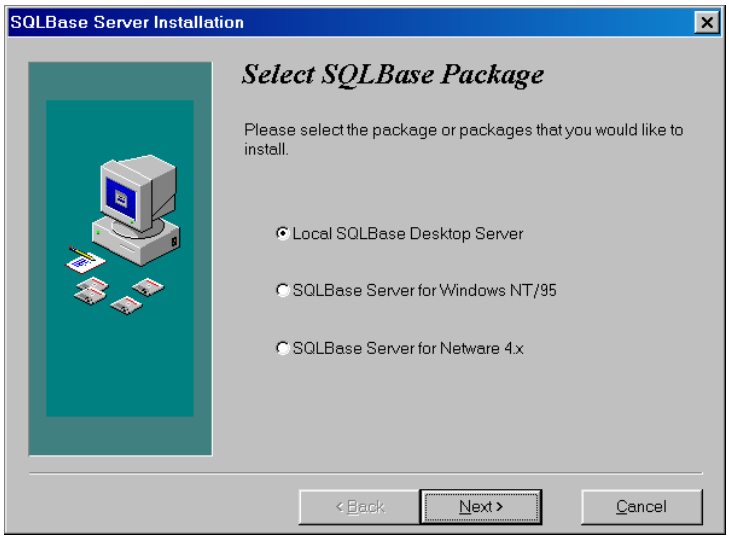


13. WinBridge has now been installed. Click the **Next** button to continue to the SQLBase installation (step 15).

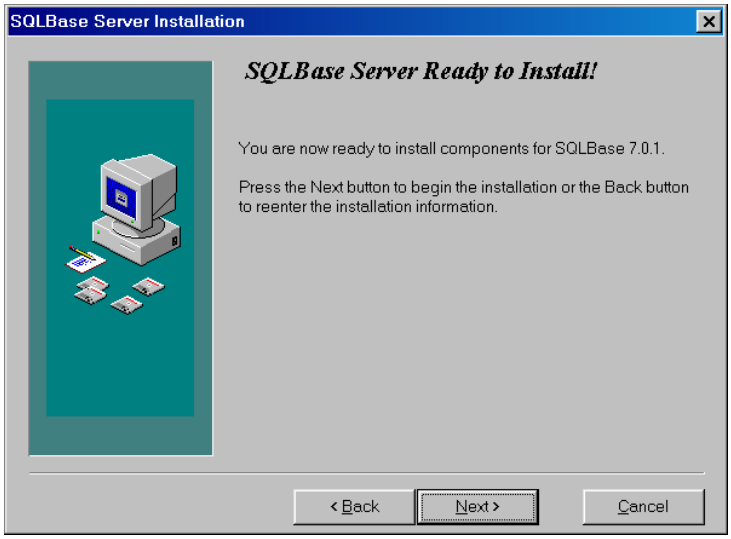


14. If this window is displayed, click the **Cancel** button. Do not restart your computer.

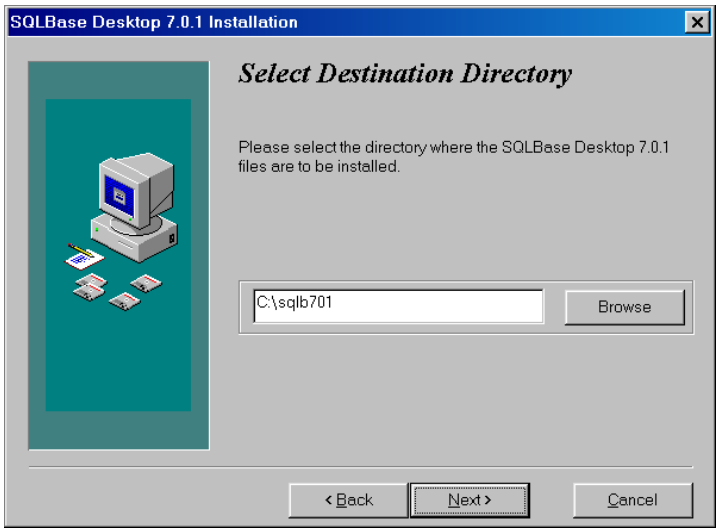
SQLBase



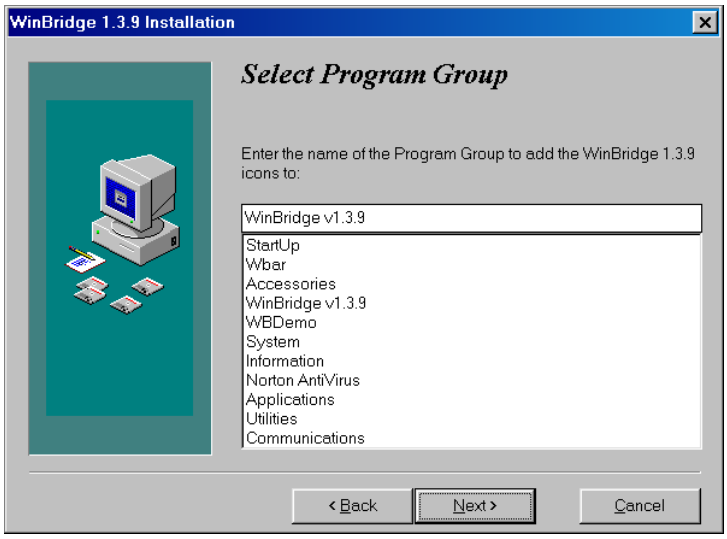
15. Select the SQLBase package you want to install. For a stand-alone installation, select the Local SQLBase Desktop Server. Click the **Next** button.



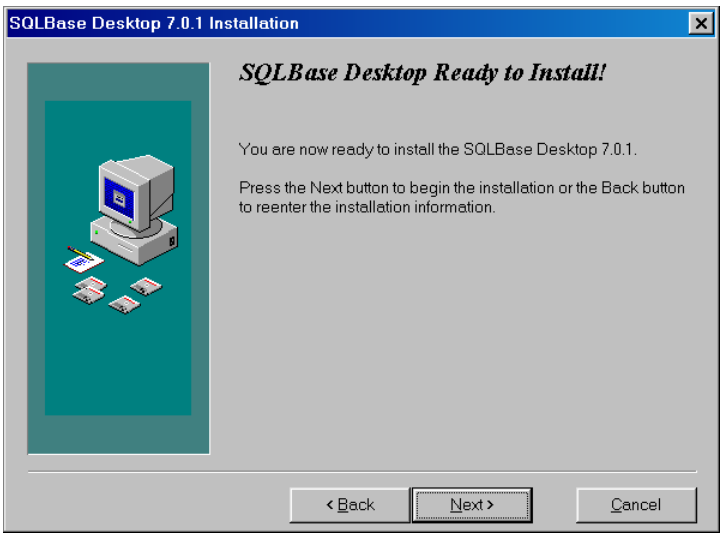
16. Click the **Next** button to begin installing the SQLBase server.



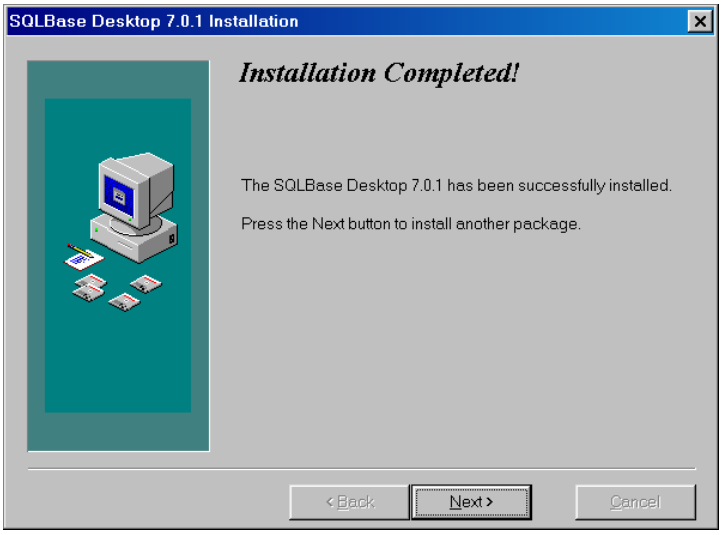
17. Select a destination directory for the SQLBase files and engine (we recommend using C:\sqlb701). Then click the **Next** button.



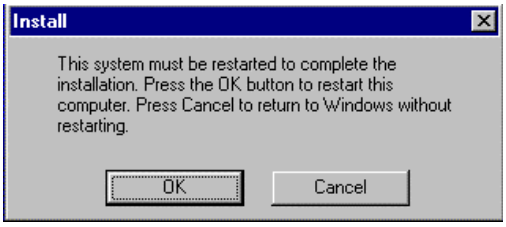
18. Enter the name of the program group for the SQLBase server icons (WinBridge v1.3.9 is the default). Then click the **Next** button.



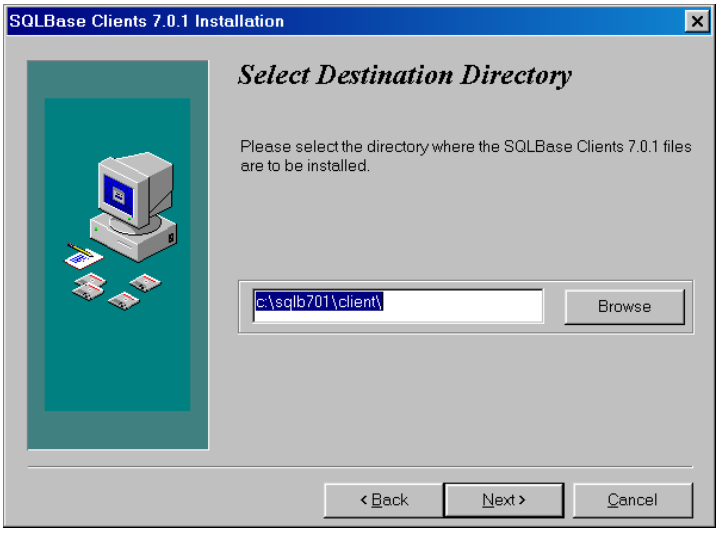
19. Click the **Next** button to begin installing the SQLBase server. A window will appear, showing the progress of the installation and giving you the option to cancel the installation.



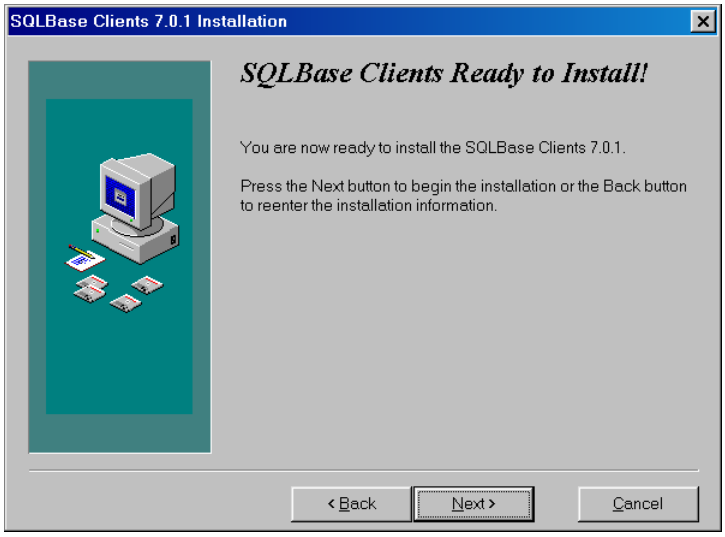
20. The SQLBase server installation has been completed. Click the **Next** button to exit the installation procedure.



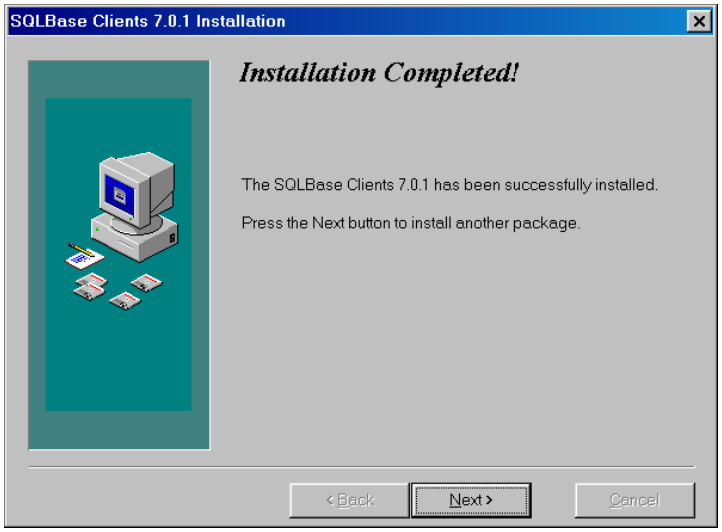
21. If this window is displayed, click the **Cancel** button. Do not restart your computer.



22. Select a destination directory for the SQLBase Client files (C:\sqlb701\client\ is the default). For stand-alone installations, these files are needed for making an ODBC connection. Click the **Next** button.



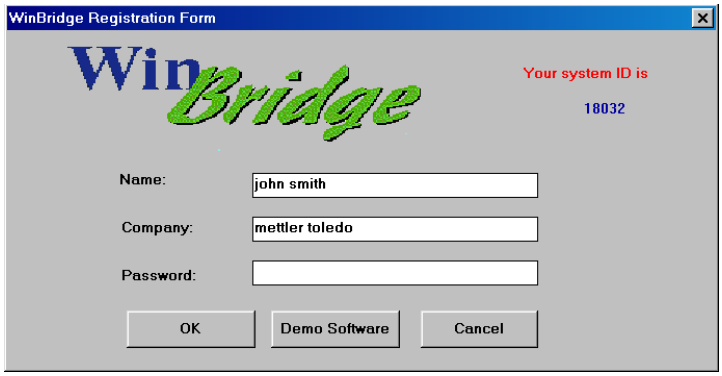
23. Click the **Next** button to begin installing the SQLBase Client files. A window will appear, showing the progress of the installation and giving you the option to cancel the installation.



24. The SQLBase Client installation has been completed. Click the **Next** button to exit the installation procedure. The computer does not need to be restarted.

Passwords

Unlike previous versions, WinBridge 1.3.9 does not require a hardware security device. When you install the WinBridge program, you can operate it for 35 days as a demonstration system. For a permanent system startup, you will need to get passwords from METTLER TOLEDO and enter them in the **Registration Form** that appears when you start the program (shown below).



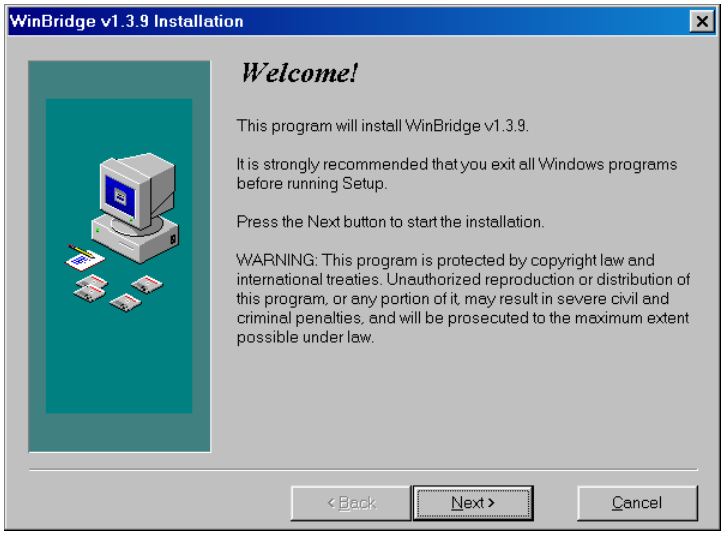
To get a password, fill out the registration form that is enclosed in the WinBridge software box and send it to METTLER TOLEDO. Include your name, address, order number, and system ID. The system ID is the number displayed in the upper right-hand corner of the **Registration Form** screen (shown above). This number will be different for each system on which you install WinBridge.

Once you have entered a valid password, the **Registration Form** screen will no longer be displayed every time you start WinBridge. Instead, the **Password Edit** screen will be displayed for a few seconds. If you need to enter a new password, click the **New Password** button to display the **Registration Form** Screen.

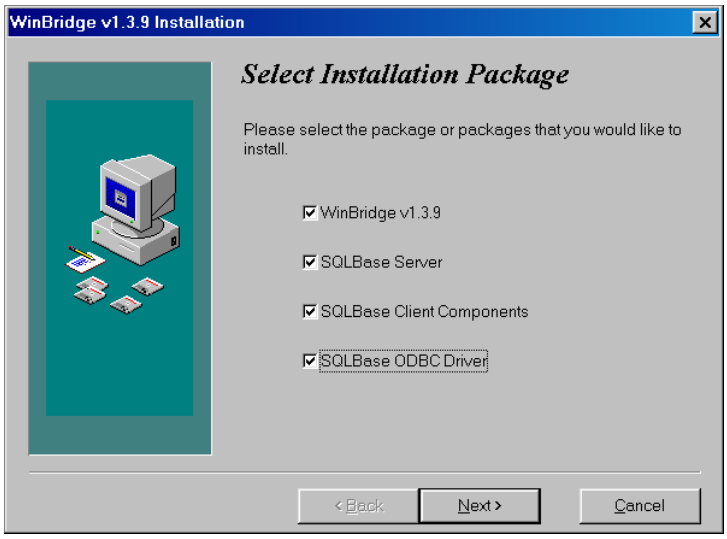
User Installation

Use the following procedure to install the WinBridge program on a customer's computer.

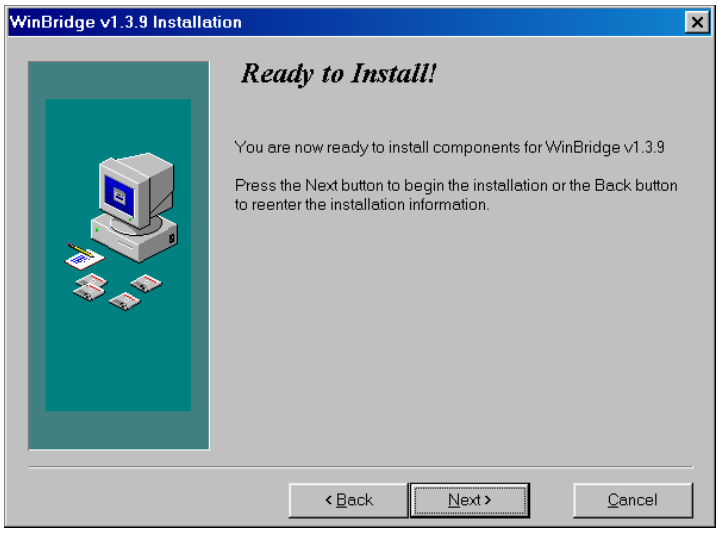
1. To install the program, place the WinBridge 1.3.9 CD in the computer's CD drive. Run the Install.exe file located on the CD. The file might run automatically, depending on how the computer is configured.



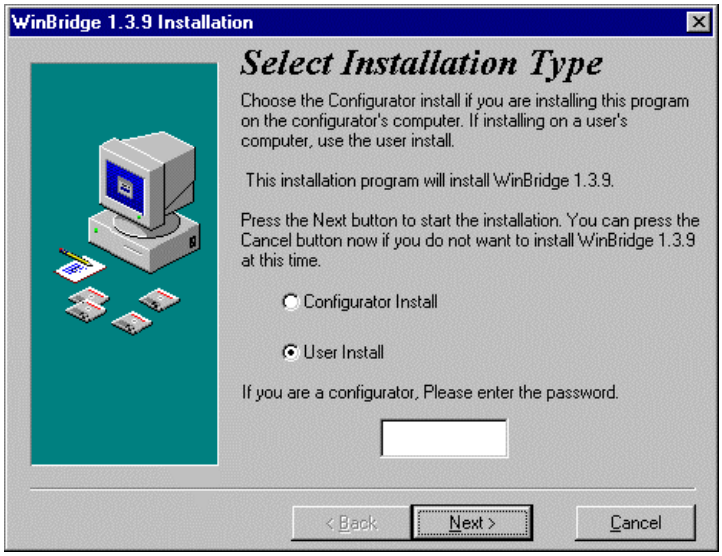
2. Click the **Next** button on the **Welcome** screen.



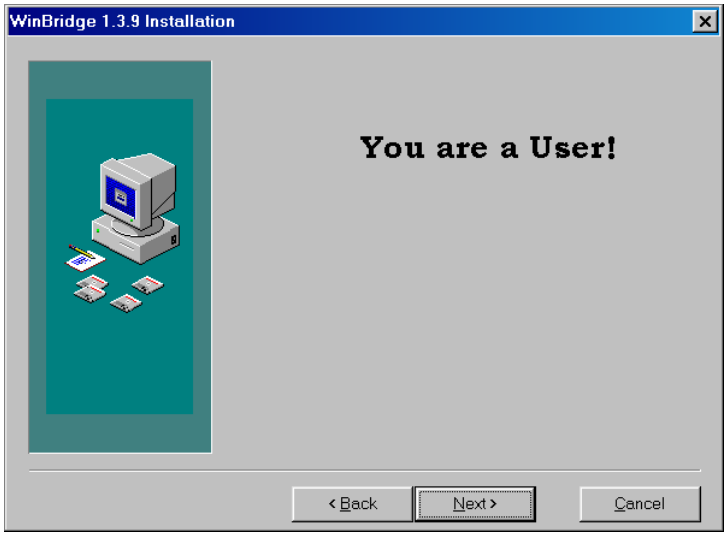
3. Select all of the options by checking all four boxes. The SQLBase ODBC Driver is optional, but you will need it if you want to access the database from programs such as Microsoft Access and Crystal Reports. Then click the **Next** button.



4. WinBridge 1.3.9 is ready to be installed. Click the **Next** button to begin installation.

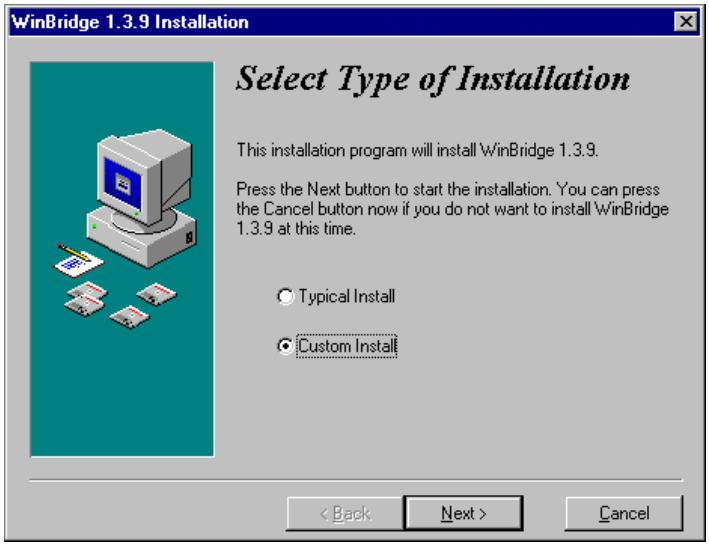


5. Select **User Install** to install WinBridge 1.3.9 on a customer's computer. Then click the **Next** button. NOTE: You might need to enter a password to enable the **Next** button. For a user install, you can enter any password.

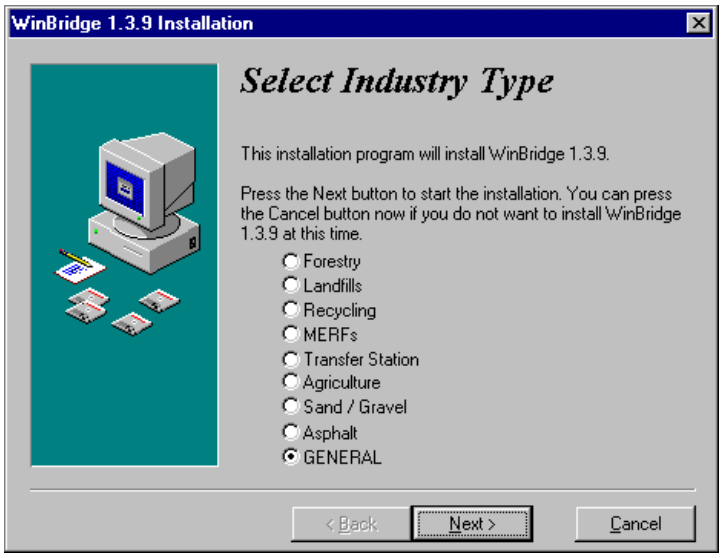


6. You are now ready to do a User Install. Click the **Next** button.

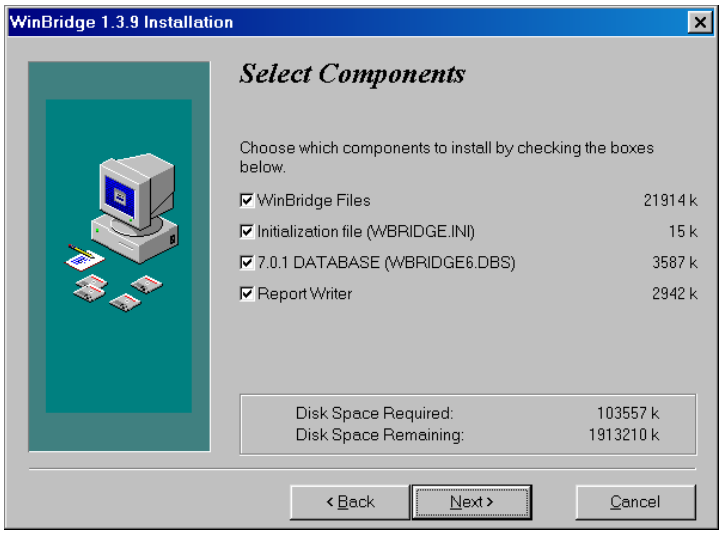
7. Select **WB-Professional** to install the complete WinBridge program, or select **WB-Standard** to install the simplified WinBridge program. Then click the **Next** button.



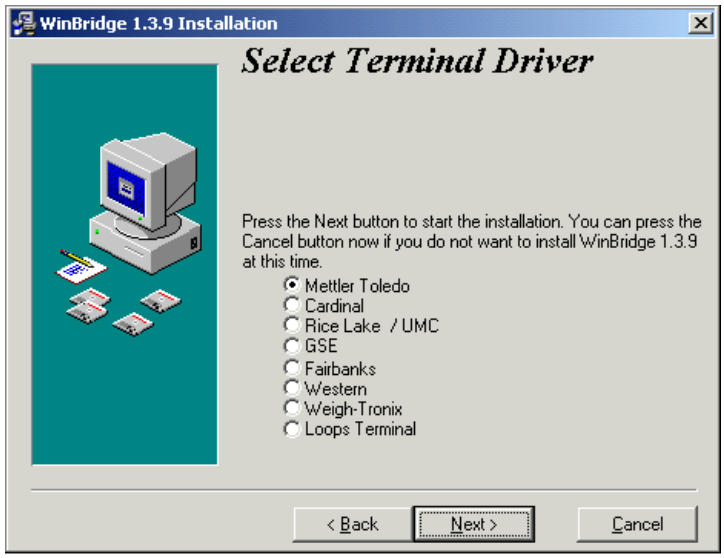
8. Select the type of installation and then click the **Next** button. A typical installation includes all components. If you are installing WB-Professional, proceed to step 9. If you select **Custom Install** for WB-Standard, proceed to step 10. If you select **Typical Install** for WB-Standard, proceed to step 11.



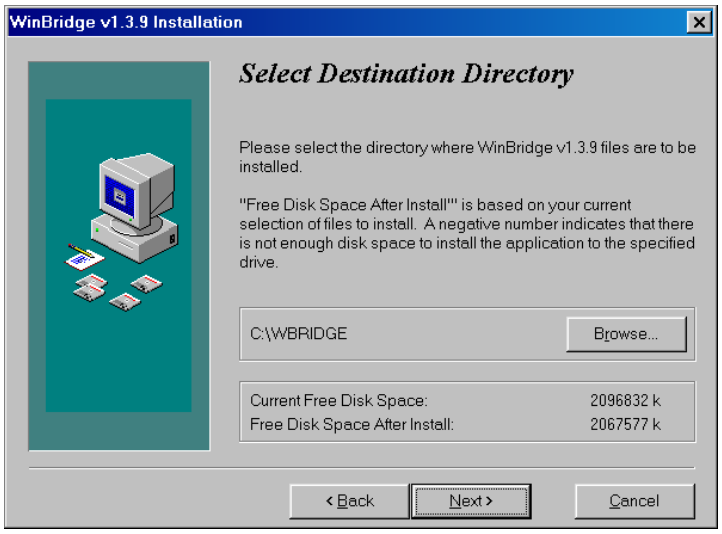
9. Select the WinBridge version you want to install (**General** is the default). Then click the **Next** button. For a **Typical Install**, proceed to step 11. For a **Custom Install**, proceed to step 10.



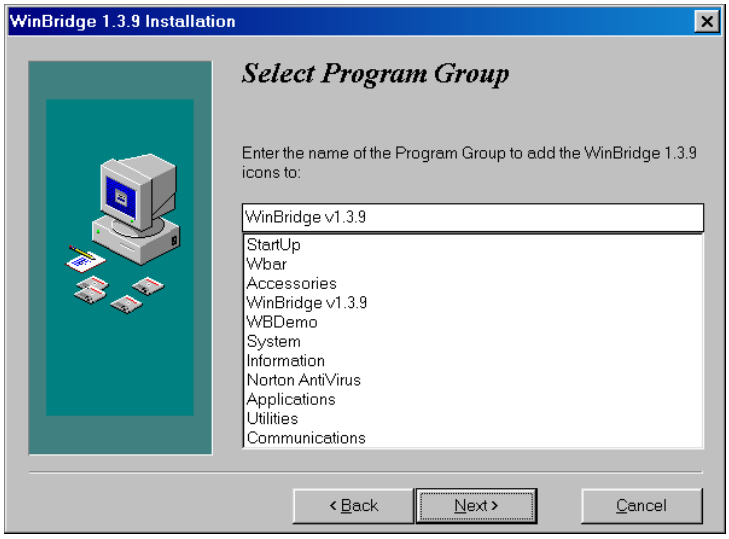
10. Customize the installation by selecting the components you want to include. Then click the **Next** button.



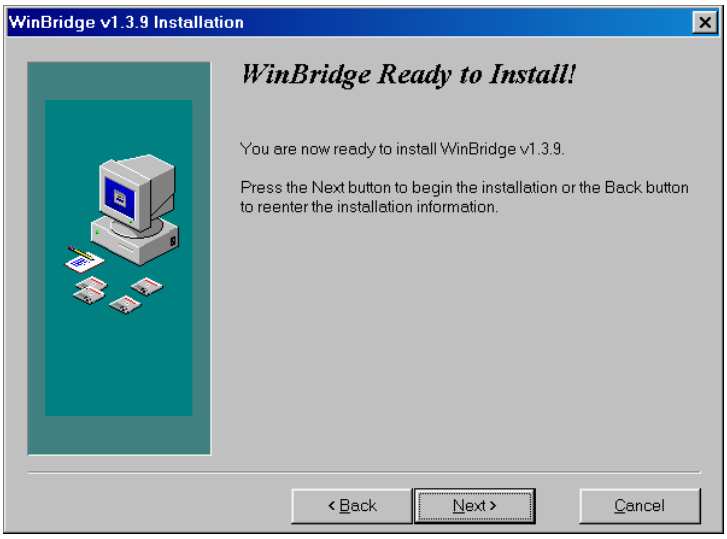
11. Select a terminal driver that matches the type of indicator to be used. Then click the **Next** button. NOTE: The Loops Terminal driver is used only with Jaguar terminals. The Jaguar must be loaded with the JagBasic loops program to function properly.



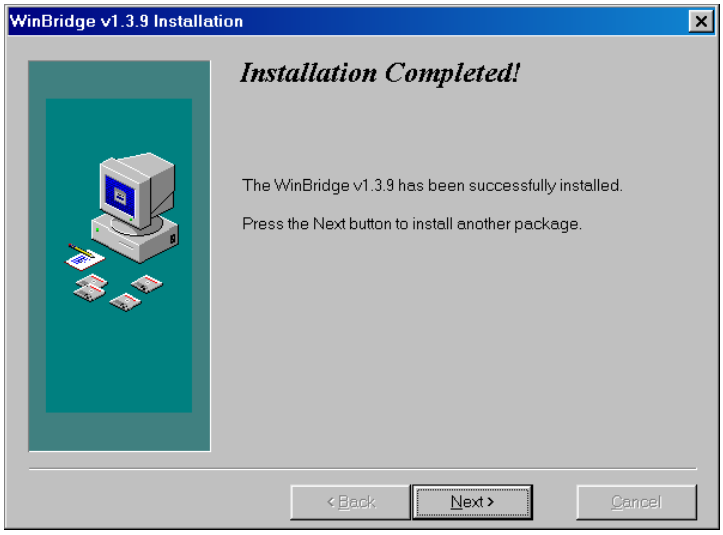
12. Select a destination directory (we recommend using C:\WBRIDGE). Then click the **Next** button.



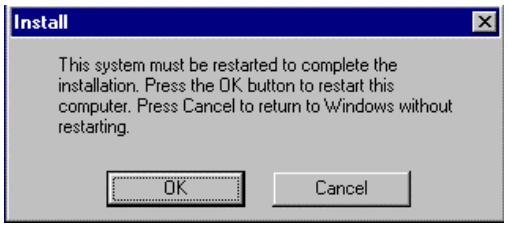
13. Enter the name of the program group for the WinBridge icons (Winbridge v1.3.9 is the default). Then click the **Next** button.



14. Click the **Next** button to begin installing WinBridge. A window will appear, showing the progress of the installation and giving you the option to cancel the installation.



15. WinBridge has now been installed. Click the **Next** button to continue to the SQLBase installation. For a description of the SQLBase installation procedure, see pages 1-11 to 1-15.



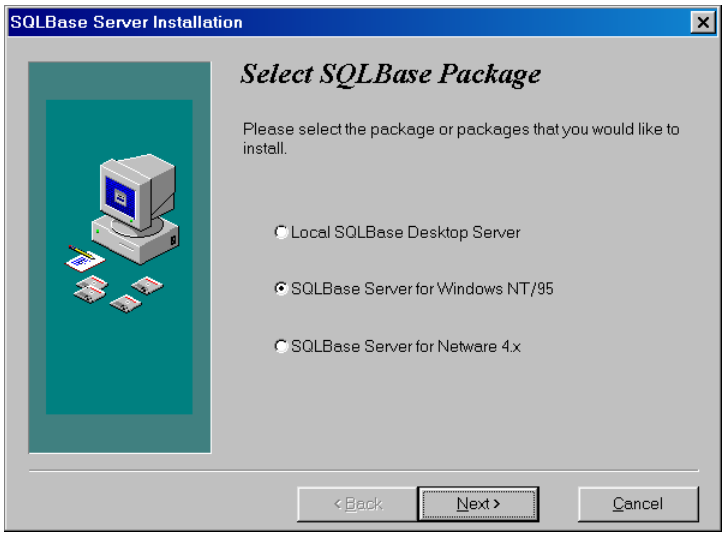
16. If this window is displayed, click the **Cancel** button. Do not restart your computer.

Networking to Windows NT

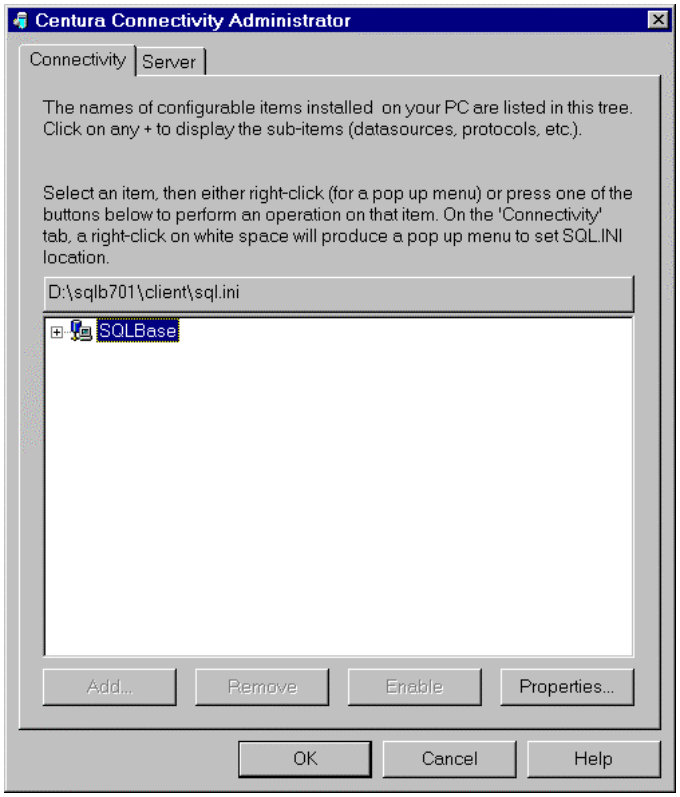
WinBridge 1.3.9 can be used on a single computer or a networked system where multiple computers access the same database. The procedures for setting up a networked system on the server and client computers are described below.

Server Installation

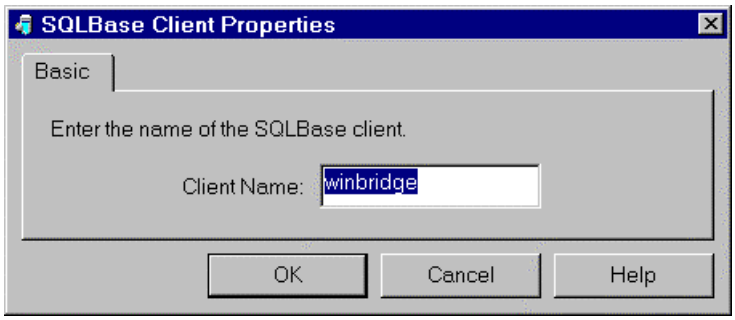
1. Use the WinBridge 1.3.9 CD to install all of the WinBridge components on the network server. The SQLBase ODBC Driver is optional, but you will need it if you plan to access the database from programs such as MS Access or Crystal Reports. Follow the Configurator Installation or User Installation instructions (whichever is appropriate). When you install the SQLBase Server, select the SQLBase Server for Windows NT/95 package (see below).



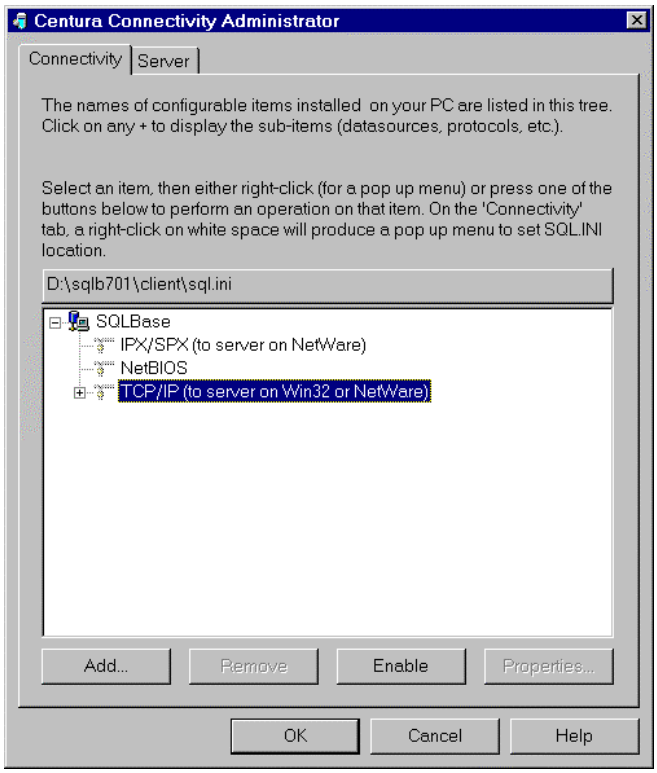
2. When the WinBridge components have been installed, use Windows Explorer to go to the SQLB701\Client directory (or the directory where you chose to install the server) and launch the Ctgw10.exe file. This is the configuration for setting up the networking protocols. It will establish which protocol will be used to access the database.



3. When the **Connectivity** form is displayed, select SQLBase and double-click on it.

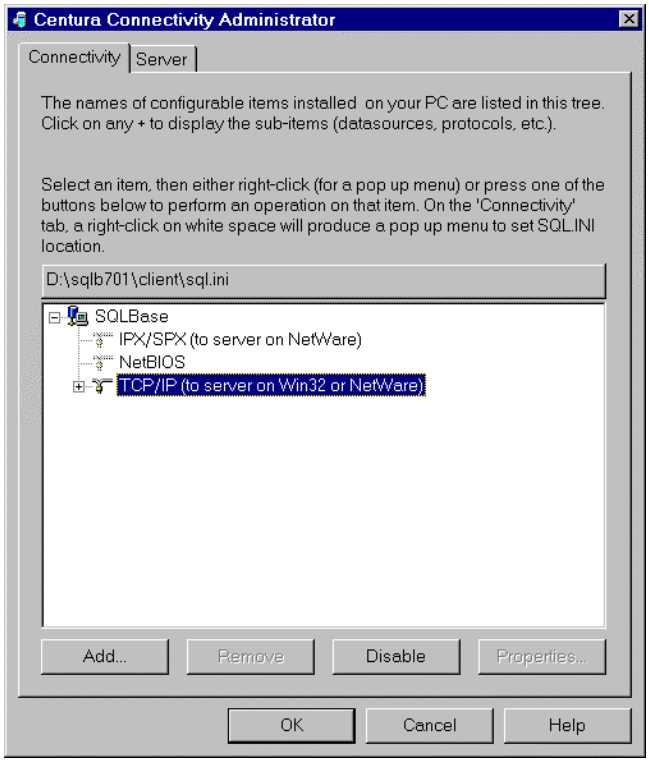


4. Enter the client's name. Then click the **OK** button.

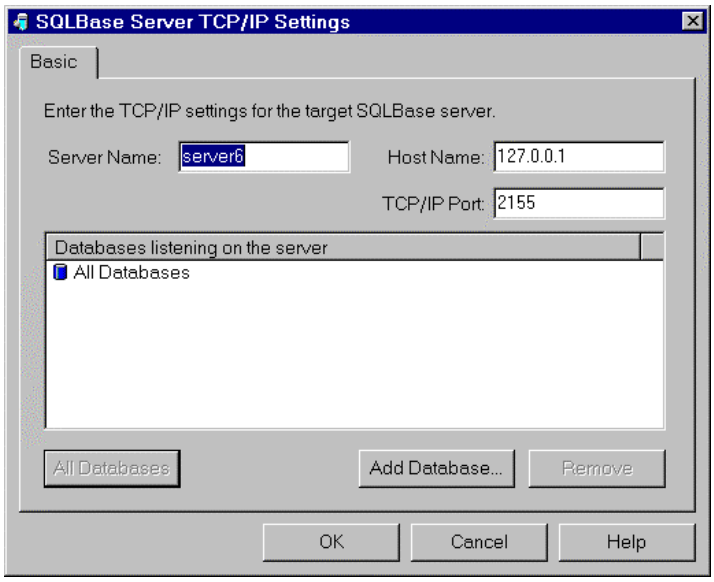


5. One or more protocols will be displayed under **SQLBase**. Click on the protocol being used (usually TCP/IP). Then click the **Enable** button.

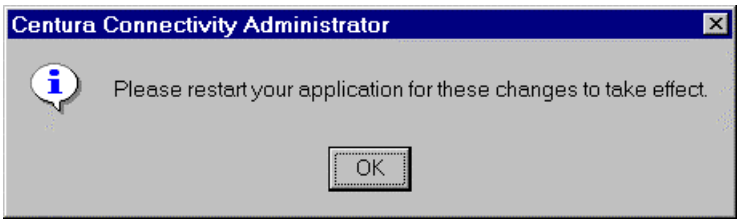
6. Click the **OK** button to enable the protocol.



7. Double-click on the protocol being used (usually TCP/IP).



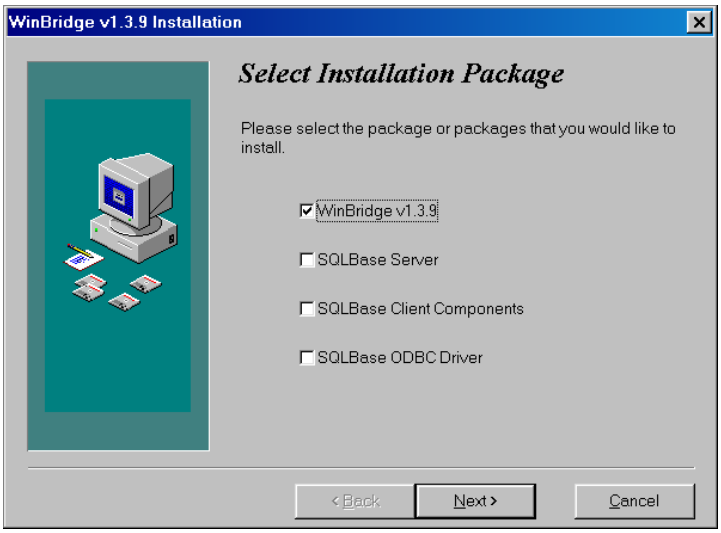
8. Enter **server6** as the server name. For the server setup, enter **127.0.0.1** as the host name, since the database is on the local host. Click the **Add Database** button. Then click the **OK** button twice.



9. If the WinBridge program is running, you will need to restart it in order for these changes to take effect. If not, simply click the **OK** button.

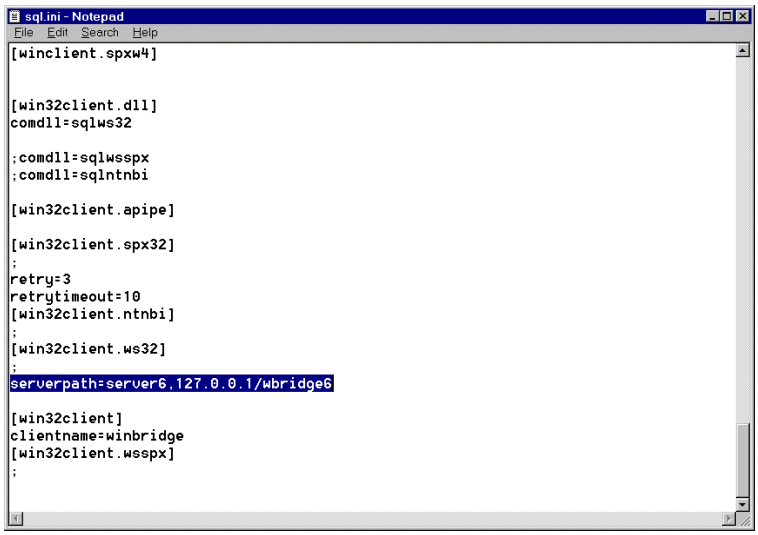
Client Installation

1. Use the WinBridge 1.3.9 CD to install only the WinBridge v1.3.9 option on a client computer. Follow the Configurator Installation or User Installation instructions (whichever is appropriate). When you select the installation package, check only the WinBridge v1.3.9 box.



2. After the installation is complete, go to the C:\Wbridge directory and open the sql.ini file in Notepad.

3. Scroll to the bottom of the sql.ini file and locate the [win32client.ws32] section.



4. In the [win32client.ws32] section, replace

   serverpath=server6,127.0.0.1/wbridge6

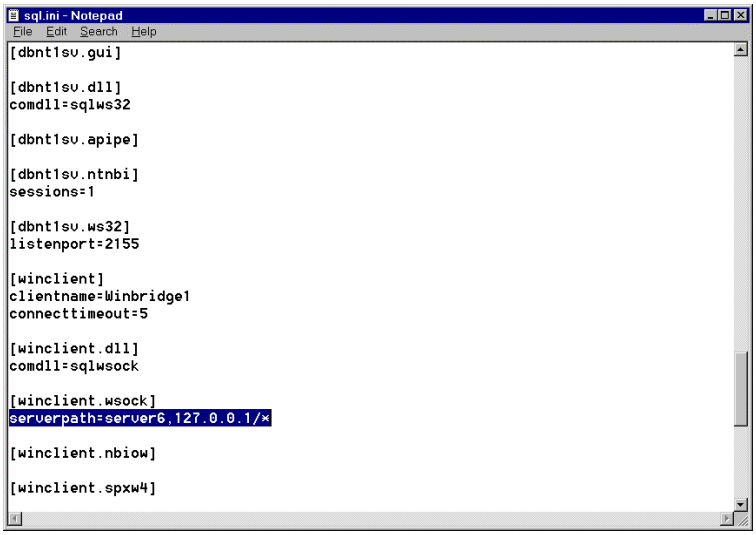
   with

   serverpath=server6,{IP address of server machine},2155/*

   For example, if the IP address of the server is **192.168.0.5**, the line should look like this:

   serverpath=server6,192.168.0.5,2155/*

NOTE: To find the IP address of the server, click **Start / Settings / Control Panel** and then double-click the **Network** icon. Then double-click the **TCP/IP** icon and use the IP address shown in the Internet Protocol (TCP/IP) Properties box. If the IP address is dynamic, you can find it by running "ipconfig" from the DOS prompt.



5. In the [winclient.wsock] section, replace
   serverpath=server6,127.0.0.1/*
   with
   serverpath=server6,{IP address of server machine}/*
   For example, if the IP address of the server is **192.168.0.5**, the line should look like this:
   serverpath=server6,192.168.0.5/*

6. Save the file and close it.
7. Repeat this procedure for each client computer.

2 ODBC Installation

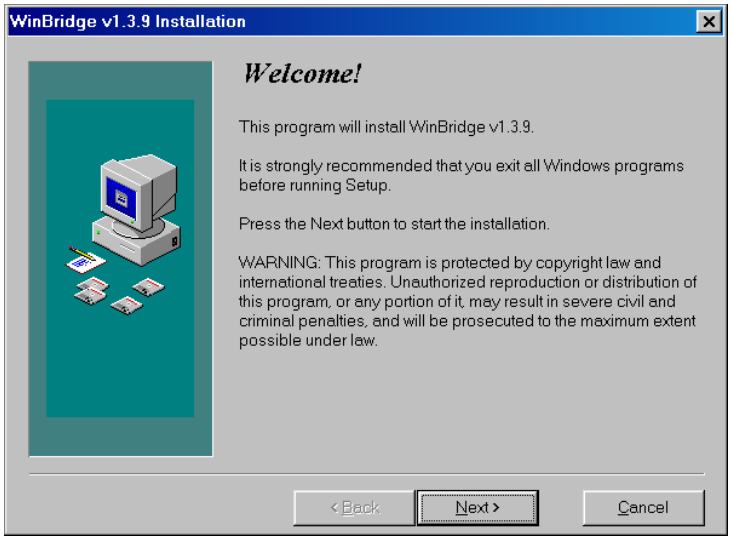
If you want to be able to use an Open Database Connectivity (ODBC) program to connect to the WinBridge database, you will need to install the SQLBase ODBC driver. This chapter explains how to install the ODBC driver on a desktop server and a network.

Desktop Server

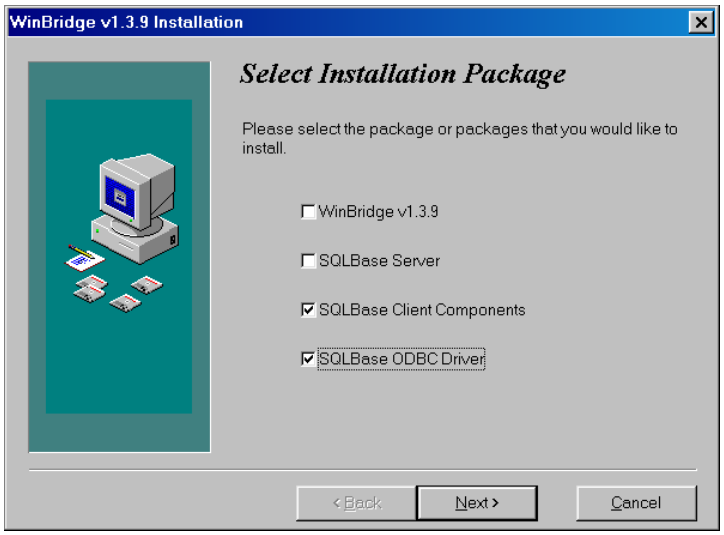
If you installed the SQLBase ODBC driver on the desktop server as part of the WinBridge Configurator or User Installation, you do not need to install it again. Continue to step 8.

If you have not installed the SQLBase ODBC driver, you will need to do so now.

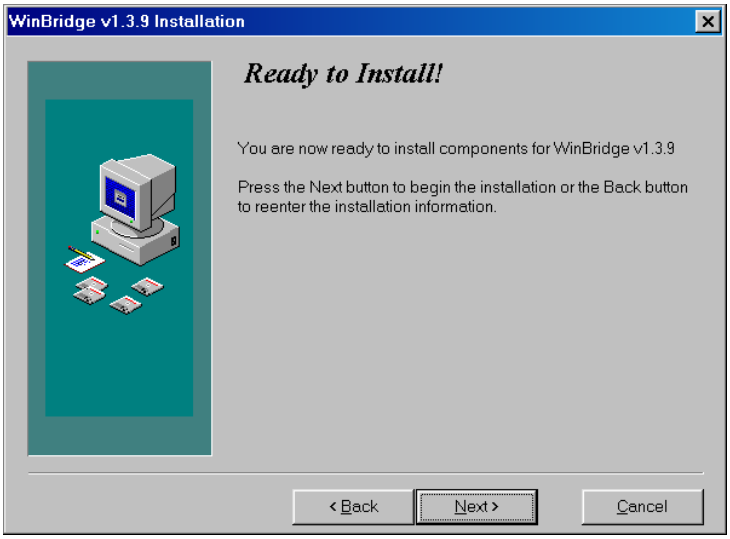
1. Install the SQLBase client components and ODBC driver by placing the WinBridge 1.3.9 CD in the computer's CD drive. Run the Install.exe file located on the CD. The file might run automatically, depending on how the computer is configured.



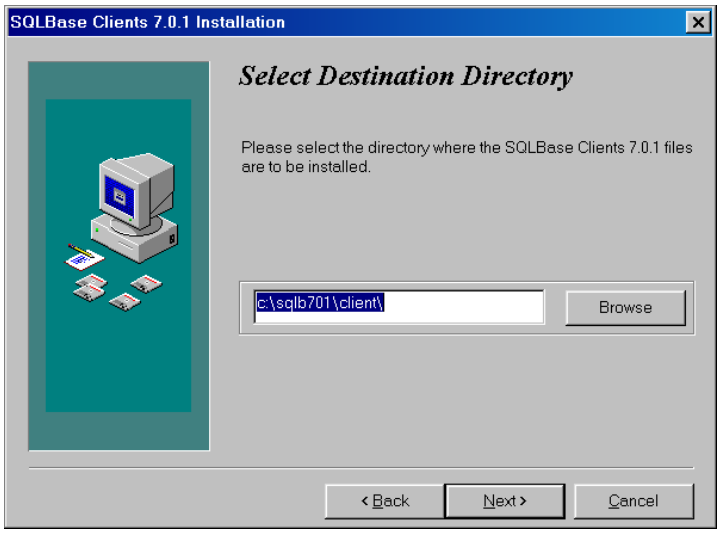
2. Click the **Next** button on the **Welcome** screen.



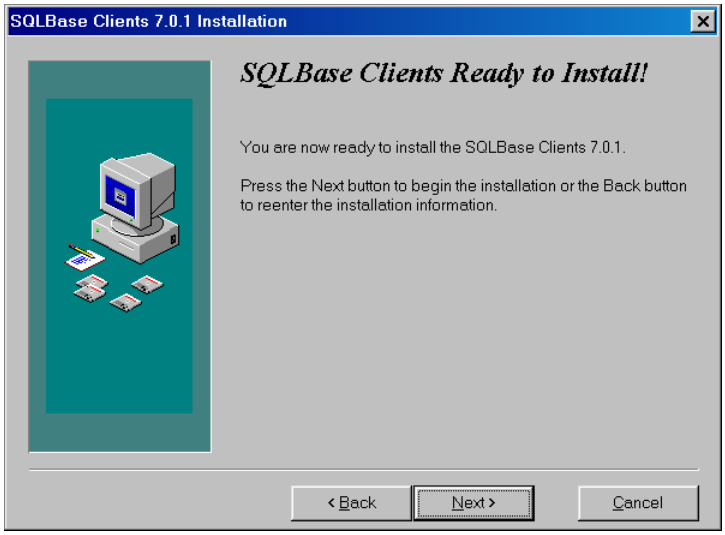
3. When you select the installation package, check the **SQLBase Client Components** and **SQLBase ODBC Driver** boxes. Then click the **Next** button.



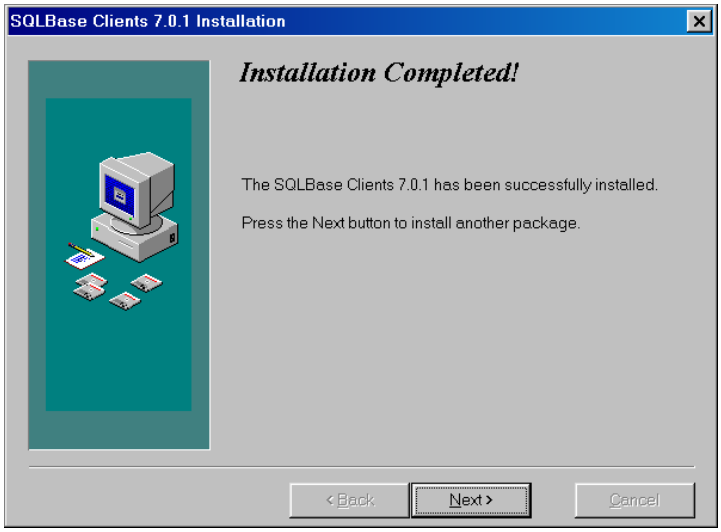
4. The SQLBase client components are ready to be installed. Click the **Next** button to begin installation.



5. Select a destination directory for the SQLBase client files (C:\sqlb701\client\ is the default). Then click the **Next** button.

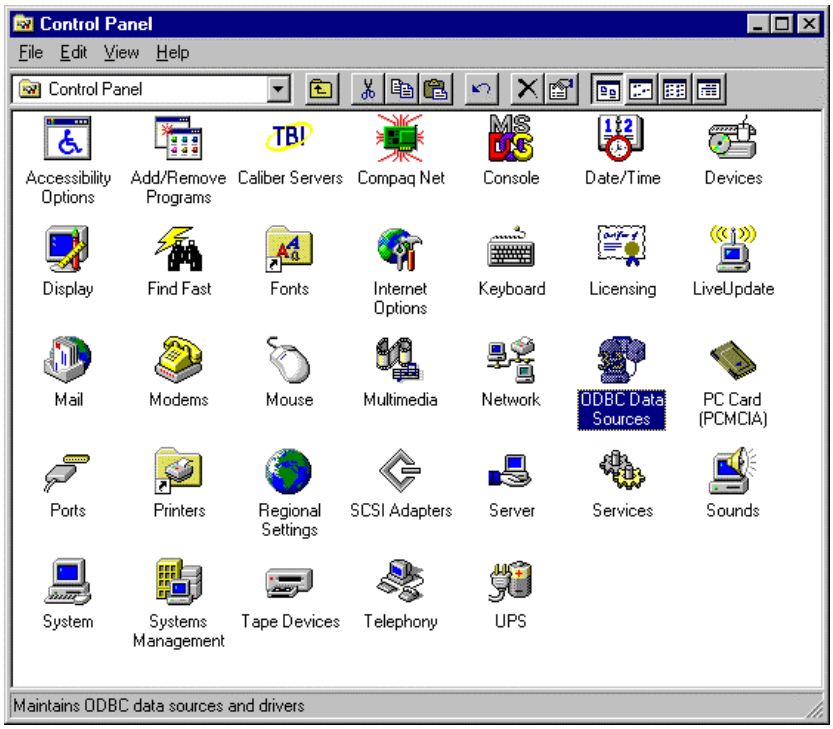


6. Click the **Next** button to begin installing the SQLBase client files. A window will appear showing the progress of the installation and giving you the option to cancel the installation.

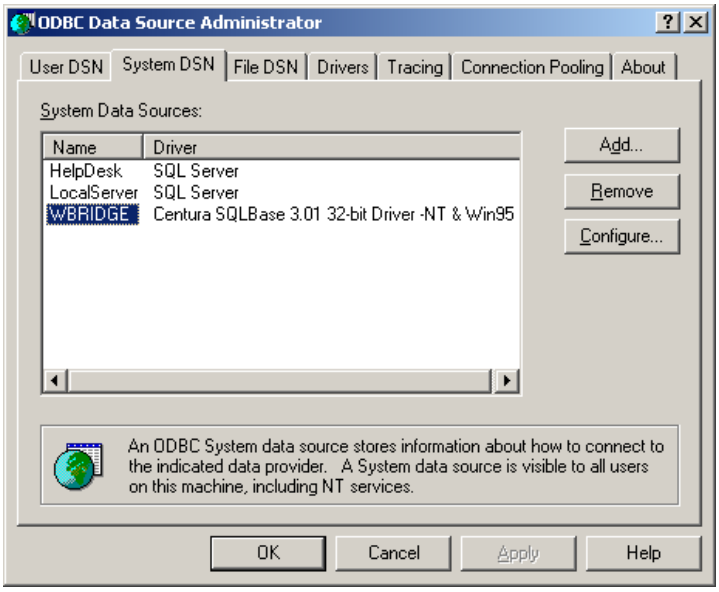


7. Click the **Next** button to exit the installation procedure. At this point, both the SQLBase client components and ODBC driver have been installed.

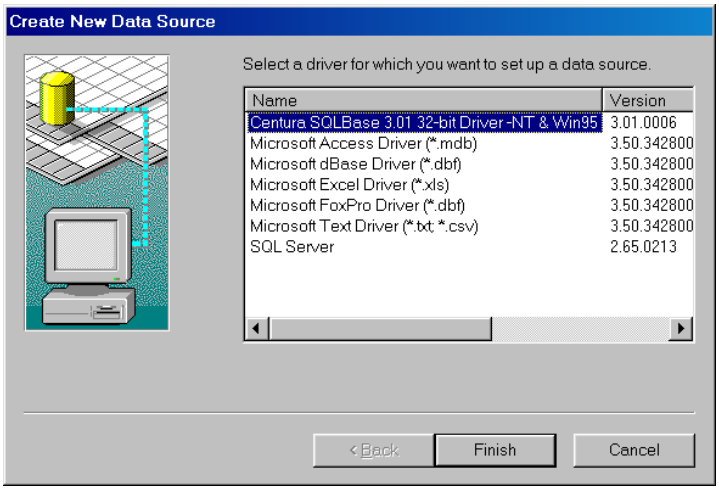
8. You will need to configure the ODBC driver to work with the WinBridge database. Go to **Start / Settings / Control Panel**.



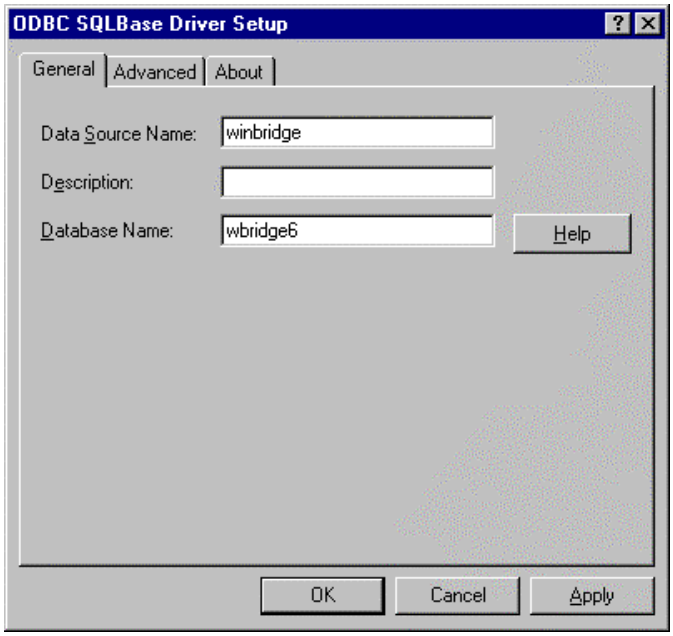
9. Double-click the **ODBC Data Sources (32 bit)** icon.
10. Then click the **System DSN** tab on the **ODBC Data Source Administrator** form.



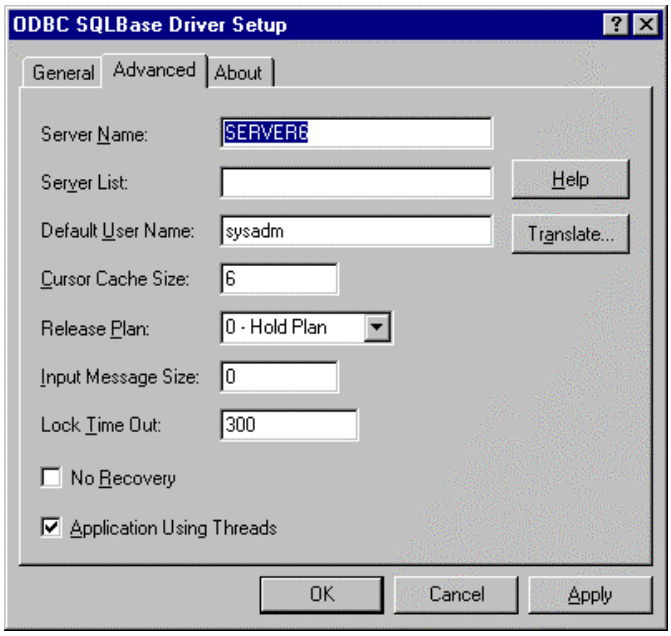
11. The **System Data Sources** list on your client computer will not contain the **WBRIDGE** file or the other files shown above. Click the **Add** button to add a new file to this list.



12. Highlight the **Centura SQLBase Driver**, and then click the **Finish** button. Once the **WBRIDGE** file has been added to the **System DSN** tab, double-click on the file.

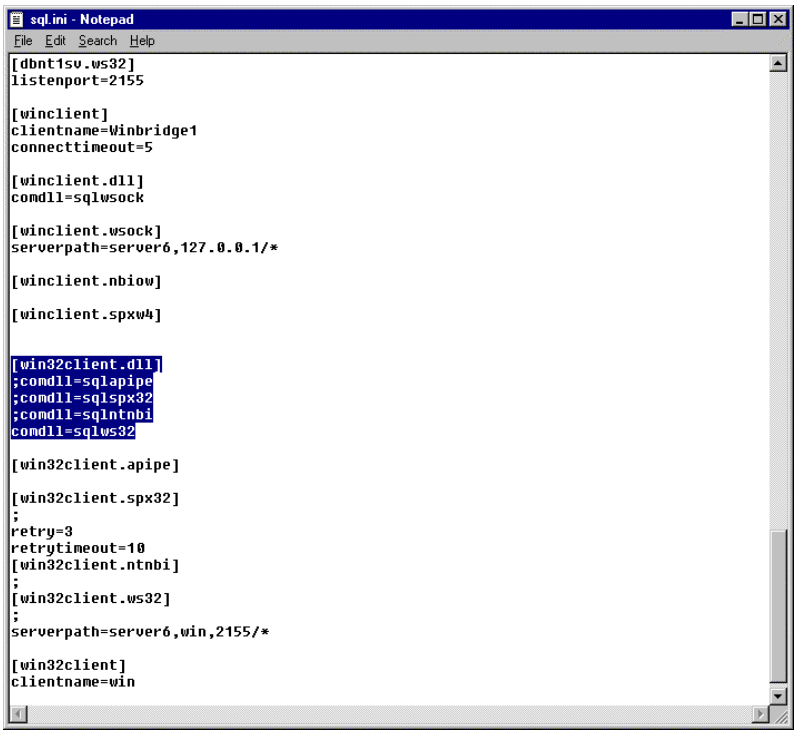


13. On the **General** tab of the **ODBC SQLBase Driver Setup** form, enter **winbridge** as the Data Source Name and enter **wbridge6** as the Database Name. The **Description** field can be left blank. The data source name will be used to reference the database from applications such as MS Access. You can use any name you want, but the database name must match the name given to the database during the installation process (wbridge6 is the default).



14. On the **Advanced** tab, enter **SERVER6** as the Server Name.
15. Click the **Apply** button, and then click the **OK** button to close the setup screen.

16. Open the sql.ini file located in the C:\sqlb701 directory.



17. Scroll to the bottom of the sql.ini file and locate the [win32client.dll] section.

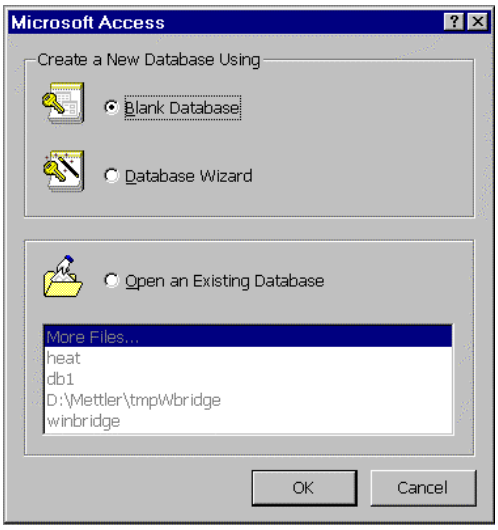
18. Make sure there is a semicolon (;) in front of each of the entries in the [win32client.dll] section, except comdll=sqlws32. Edit the entries if necessary, so that they look like the ones highlighted above.

NOTE: If you install WinBridge 1.3.9 from a CD containing revision 27 or later, you should not need to modify the sql.ini file.

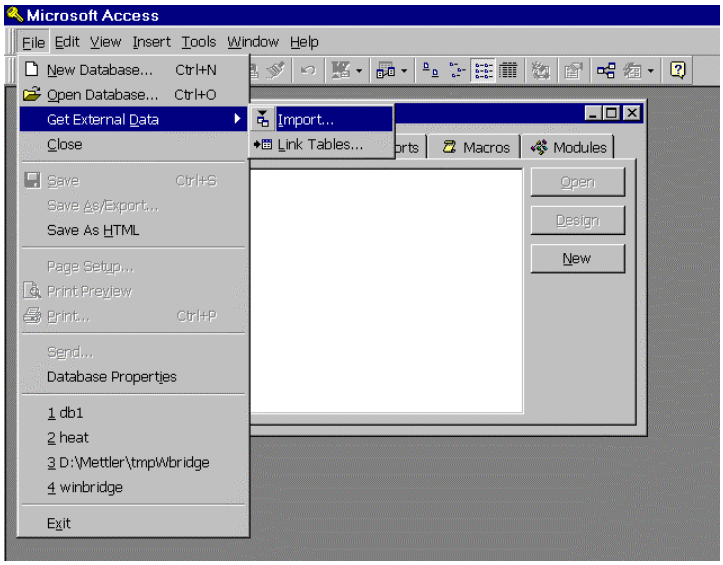
19. Save the file and close it.

20. Copy the sql.ini file from the C:\sqlb701 directory to the C:\sqlb701\client directory.

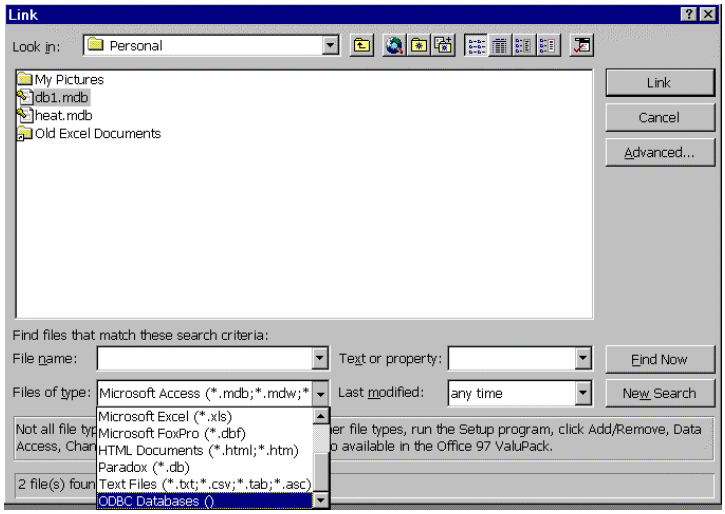
21. Copy the sqlws32.dll file from the C:\sqlb701 directory to the C:\sqlb701\client directory.



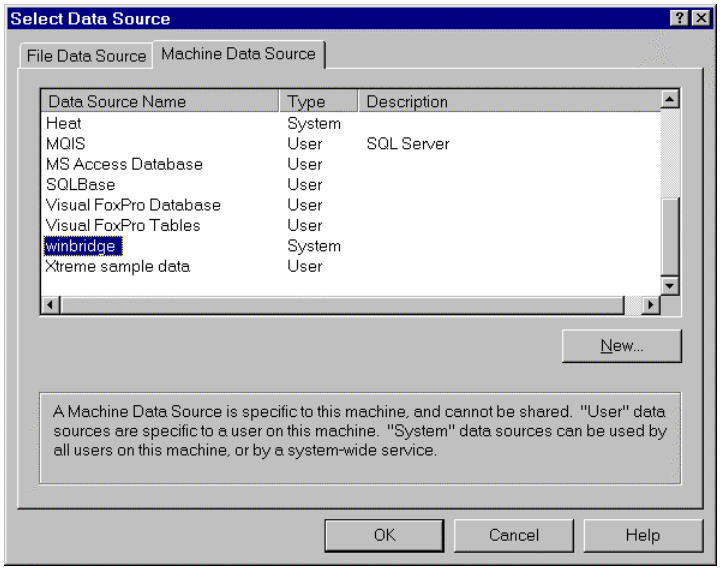
22. Launch MS Access. Create a new blank database and name it as a MS Access database (*.mdb).



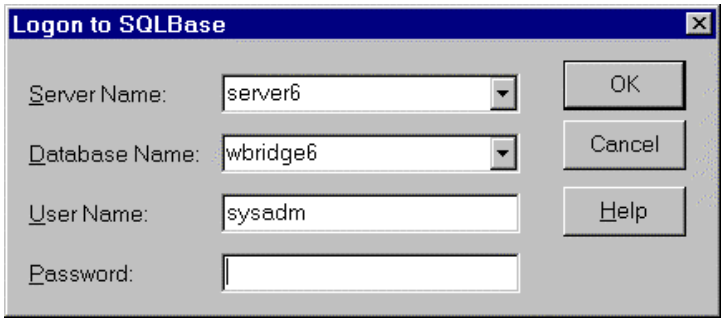
23. Go to **File / Get External Data** and select **Import** (to be able to view data) or **Link Tables** (to be able to modify data).



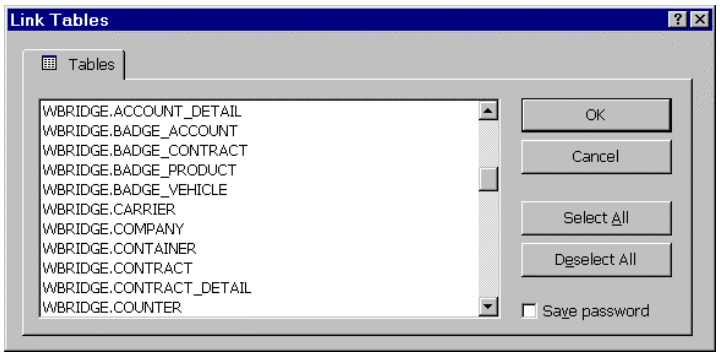
24. Select **ODBC Databases ()** as the file type.



25. On the **Machine Data Source** tab, double-click **winbridge**.



26. No password is required. Simply click the **OK** button.



27. Now you can view the data in the SQLBase database.

NOTE: If you link the SQLBase database to MS Access, you can change the data in the SQLBase database.

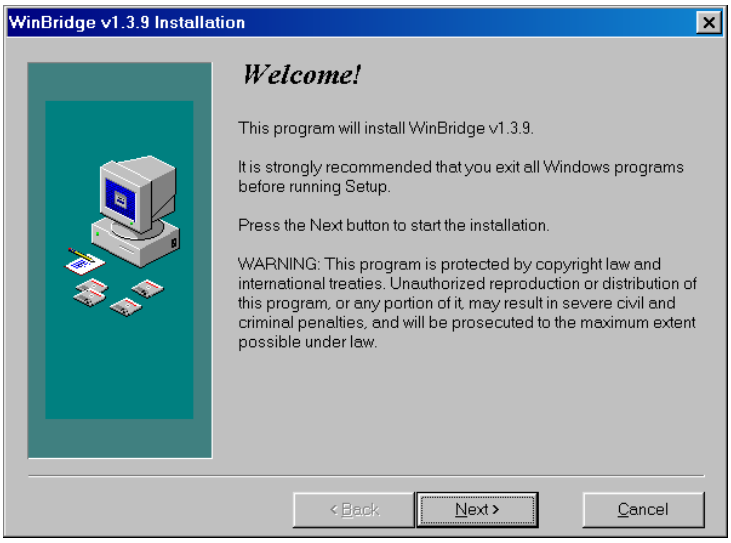
WARNING: If you change the weight information on a transaction, you will have nullified the transaction. The log file and the database will not match. It is the user's responsibility not to change critical data via MS Access. ODBC is provided for report writing, importing data to the tables (vehicle, product, etc.), and viewing, not for editing the WinBridge transaction table.

Network

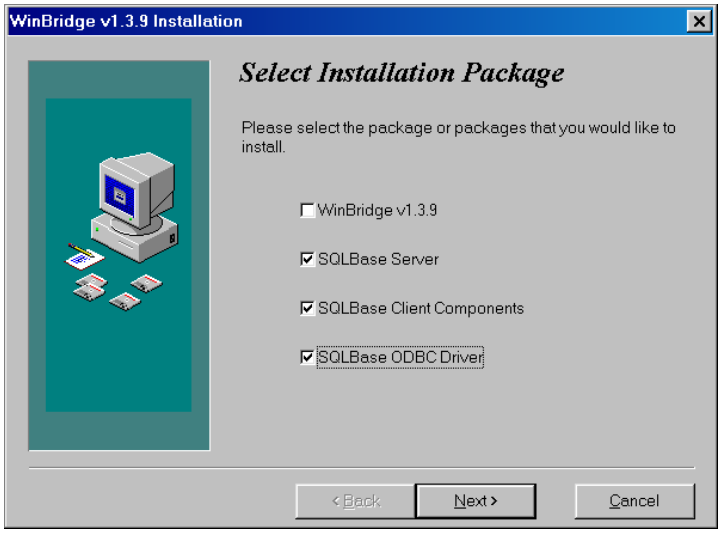
If you installed the SQLBase ODBC driver on the network as part of the WinBridge Configurator or User Installation, you do not need to install it again. Continue to step 14.

If you have not installed the SQLBase ODBC driver, you will need to do so now.

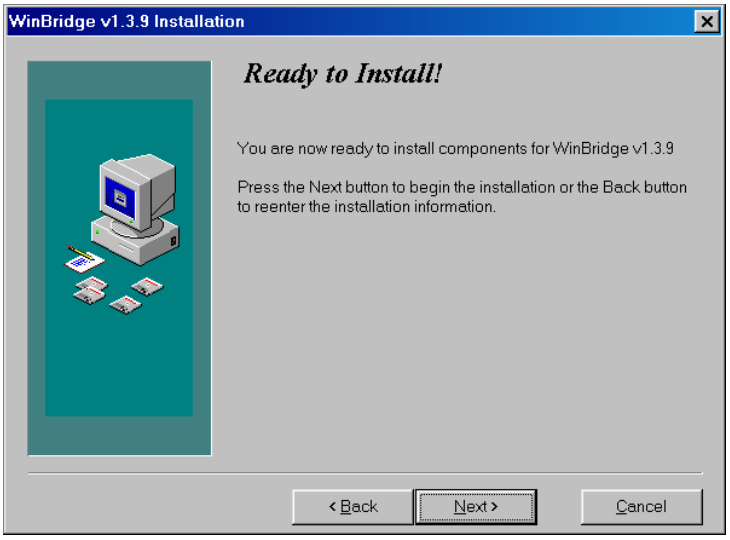
1. Install the SQLBase server, client components, and ODBC driver by placing the WinBridge 1.3.9 CD in the computer's CD drive. Run the Install.exe file located on the CD. The file might run automatically, depending on how the computer is configured.



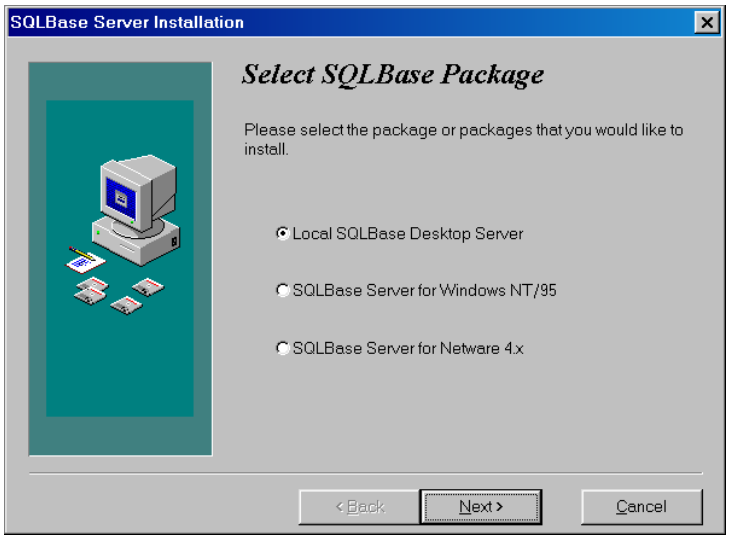
2. Click the **Next** button on the **Welcome** screen.



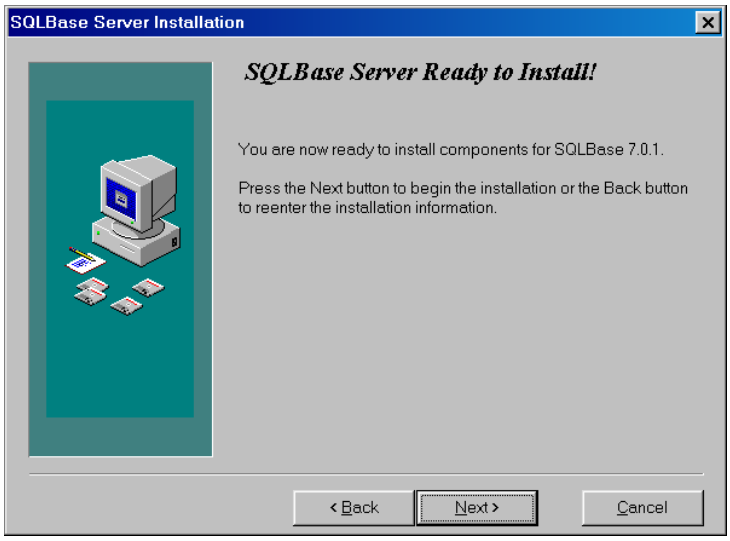
3. When you select the installation package, check the **SQLBase Server**, **SQLBase Client Components**, and **SQLBase ODBC Driver** boxes. Then click the **Next** button.



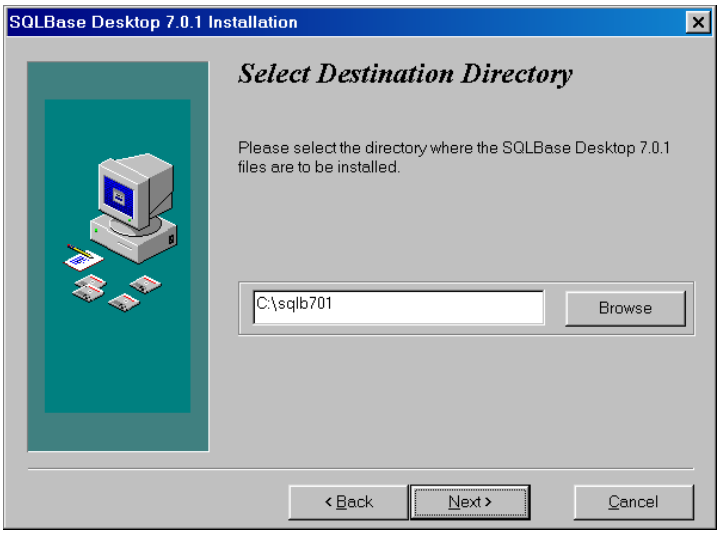
4. The SQLBase server is ready to be installed. Click the **Next** button to begin installation.



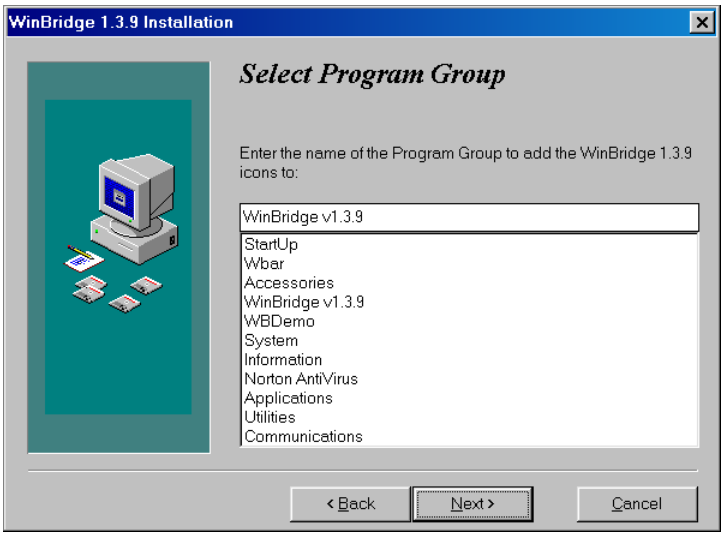
5. Select the Local SQLBase Desktop Server. Then click the **Next** button.



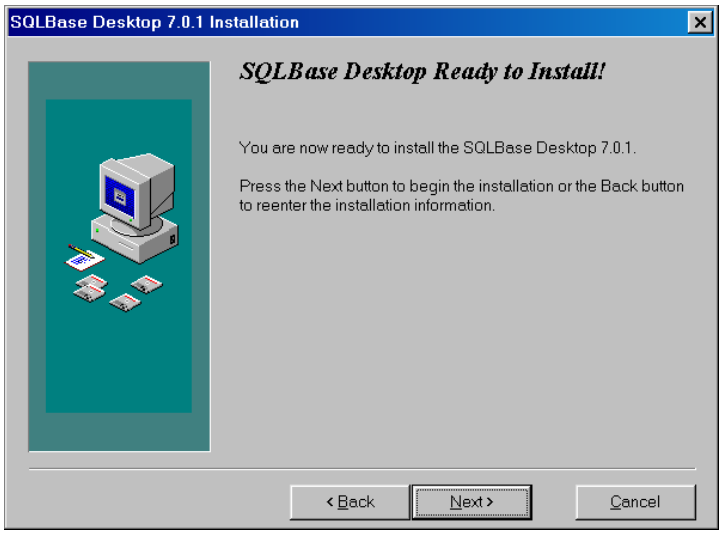
6. Click the **Next** button to begin installing the SQLBase server.



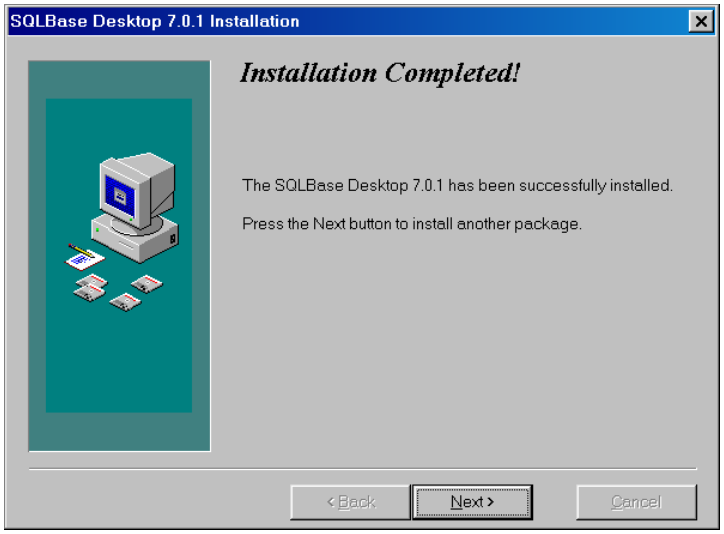
7. Select a destination directory for the SQLBase files and engine (we recommend using C:\sqlb701). Then click the **Next** button.



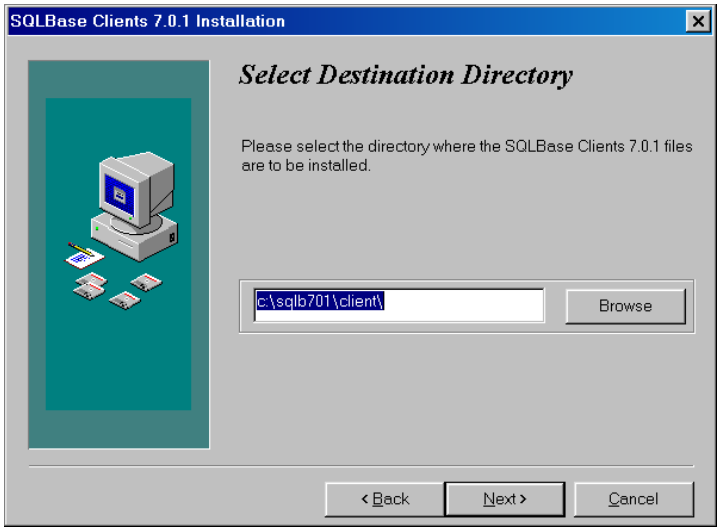
8. Enter the name of the program group for the SQLBase server icons (WinBridge v1.3.9 is the default). Then click the **Next** button.



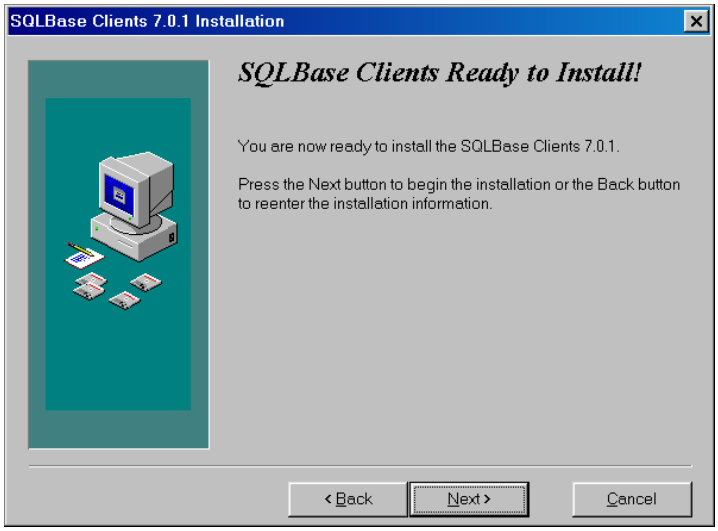
9. Click the **Next** button to begin installing the SQLBase server. A window will appear, showing the progress of the installation and giving you the option to cancel the installation.



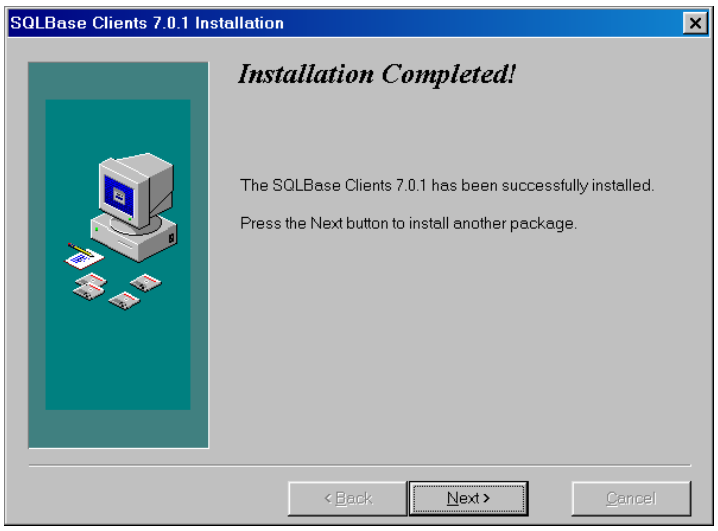
10. The SQLBase server installation has been completed. Click the **Next** button to exit the installation procedure.



11. Select a destination directory for the SQLBase client files (C:\sqlb701\client\ is the default). Then click the **Next** button.

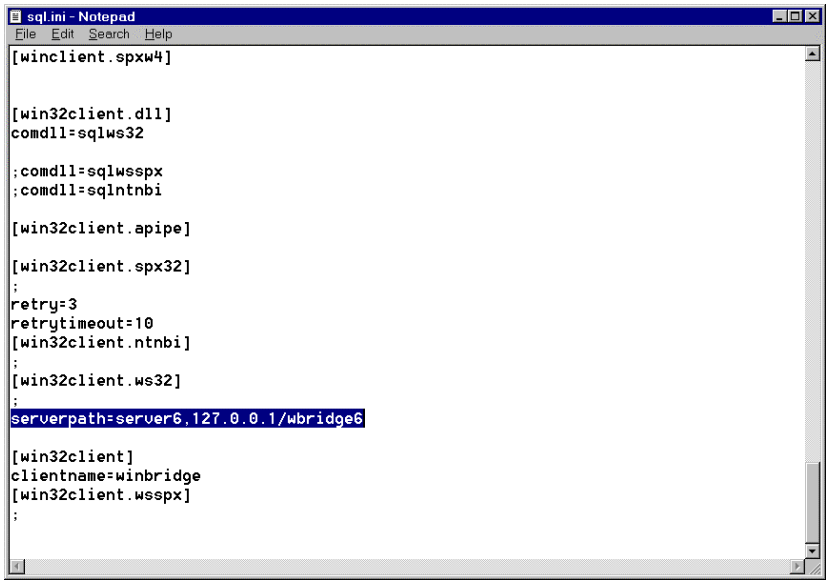


12. Click the **Next** button to begin installing the SQLBase client files. A window will appear, showing the progress of the installation and giving you the option to cancel the installation.



13. Click the **Next** button to exit the installation procedure. At this point, the SQLBase server, client components, and ODBC driver have been installed.

14. After the installation is complete, go to the C:\sqlb701 directory and open the sql.ini file.



15. Scroll to the bottom of the sql.ini file and locate the [win32client.ws32] section.

16. In the [win32client.ws32] section, replace

    serverpath=server6,127.0.0.1/wbridge6

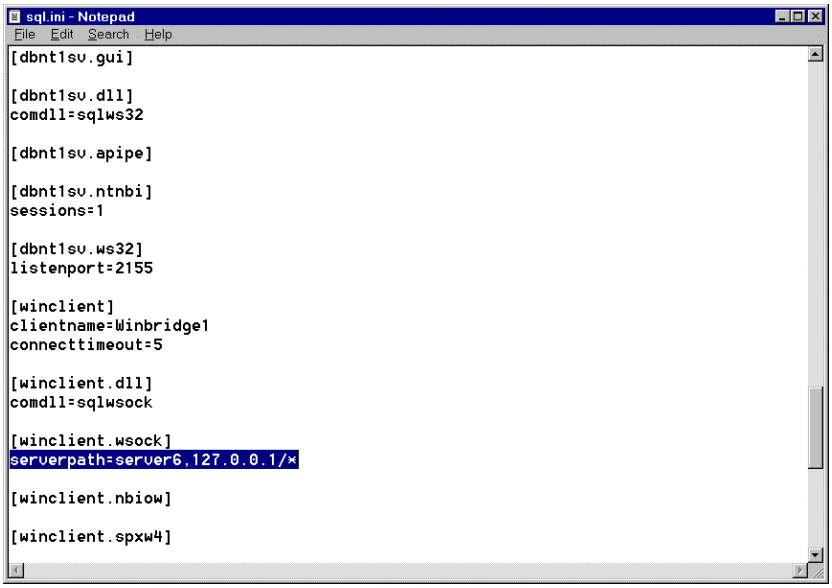
    with

    serverpath=server6,{IP address of server machine},2155/*

    For example, if the IP address of the server is **192.168.0.5**, the line should look like this:

    serverpath=server6,192.168.0.5,2155/*

    NOTE: You can find the IP address of the server by clicking **Start / Settings / Control Panel** and then double-clicking the **Network** icon. Next, double-click the **TCP/IP** icon and use the IP address shown in the **Internet Protocol (TCP/IP) Properties** box. If the IP address is dynamic, you can find it by running "ipconfig" from the DOS prompt.



17. In the [winclient.wsock] section, replace

serverpath=server6,127.0.0.1/*

with

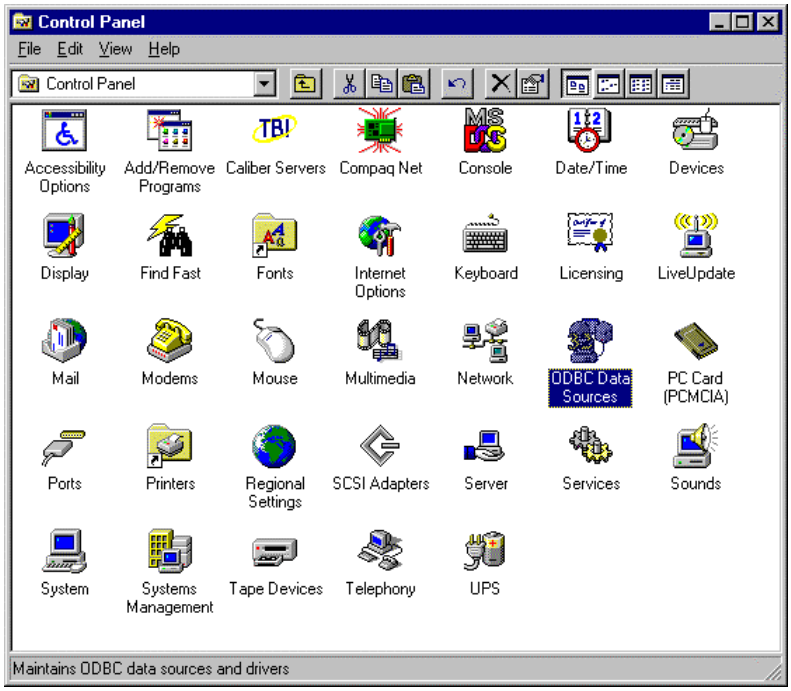
serverpath=server6,{IP address of server machine}/*

For example, if the IP address of the server is **192.168.0.5**, the line should look like this:

serverpath=server6,192.168.0.5/*

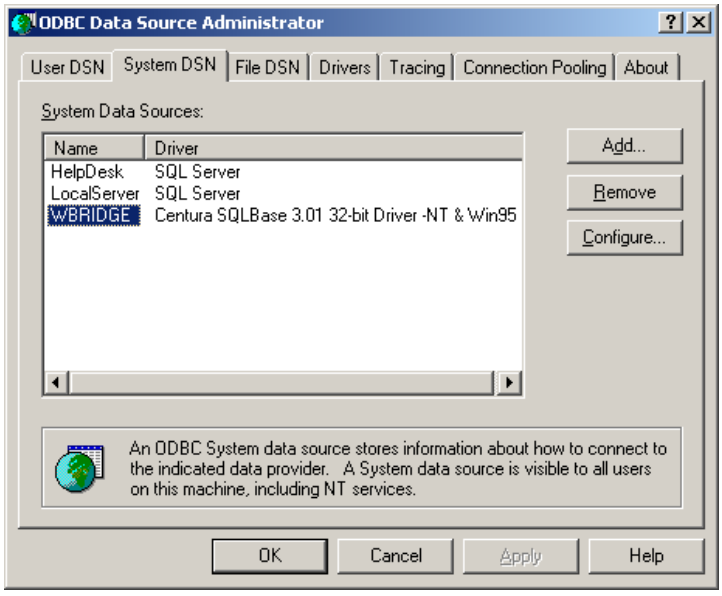
18. Save the file and close it.

19. Copy this file to the C:\sqlb701\client directory.

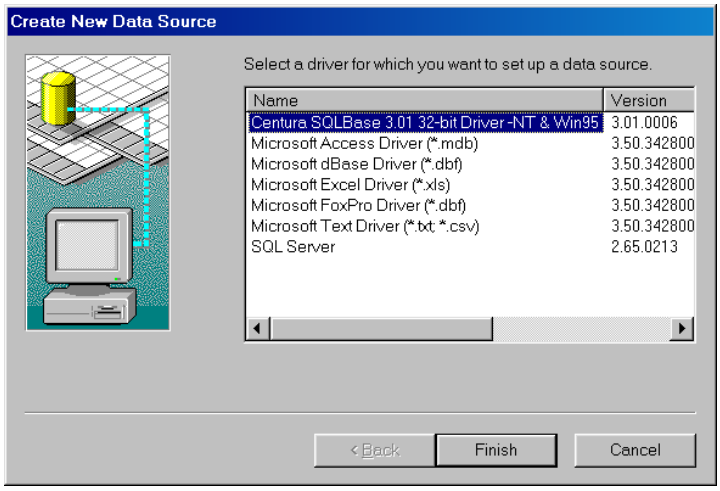


20. You will need to configure the ODBC Driver to work with the WinBridge database. Go to **Start / Settings / Control Panel** and double-click the **ODBC Data Sources (32 bit)** icon.

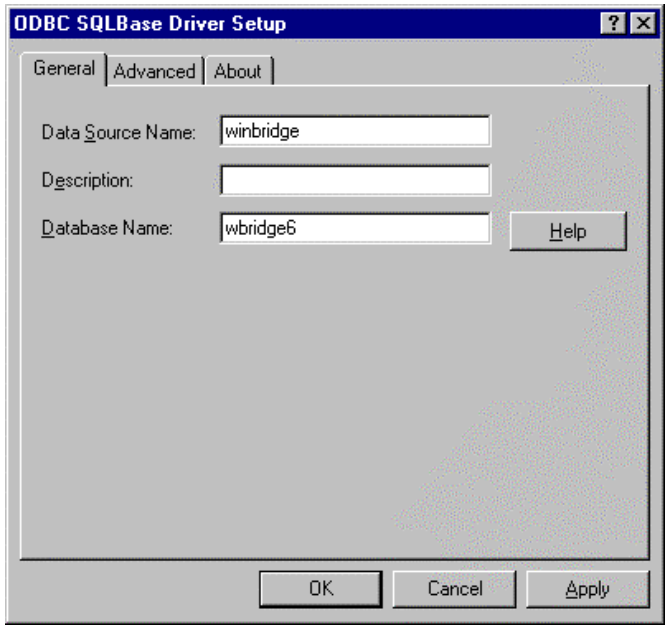
21. Then click the **System DSN** tab on the **ODBC Data Source Administrator** form.



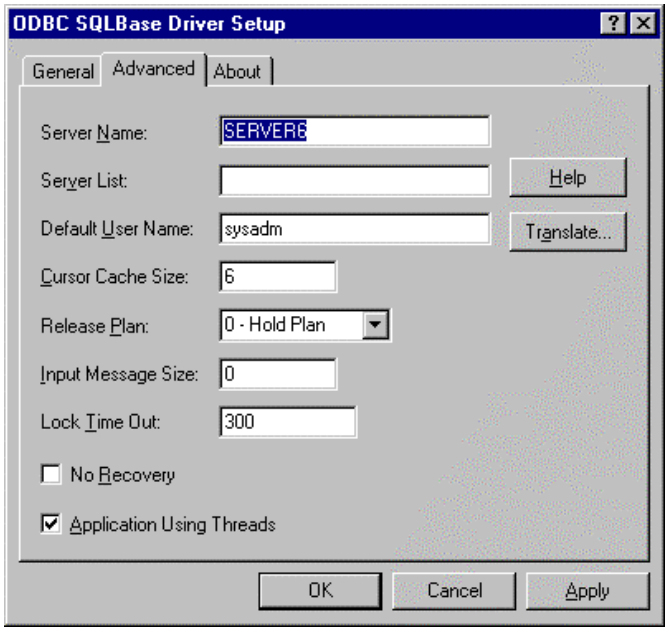
22. The **System Data Sources** list on your computer will not contain the **WBRIDGE** file or the other files shown above. Click the **Add** button in order to add a new file to this list.



23. Highlight the **Centura SQLBase Driver**, and then click the **Finish** button. Once the **WBRIDGE** file has been added to the **System DSN** tab, double-click on the file.

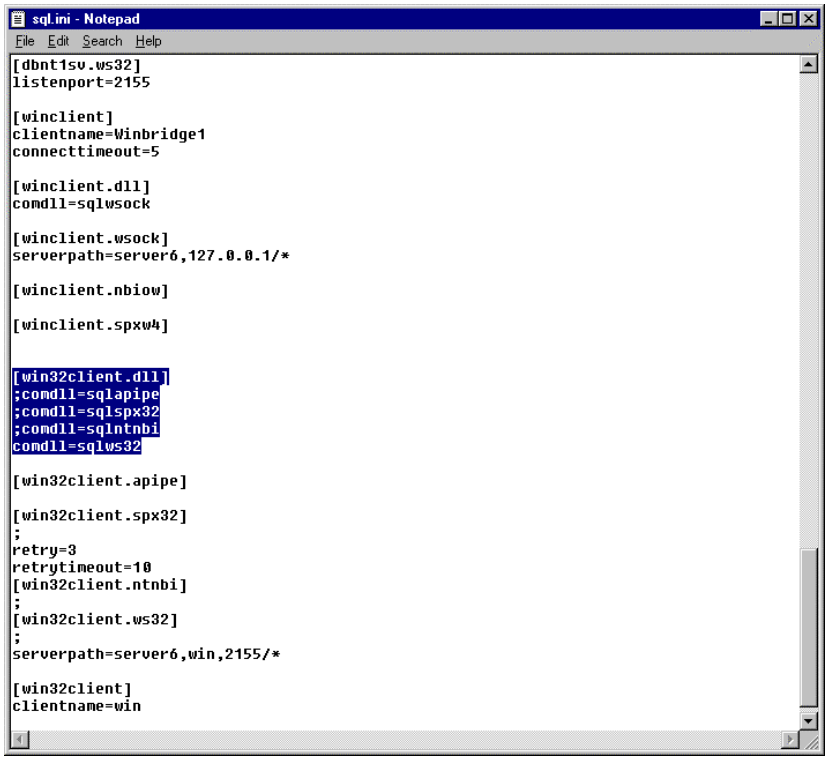


24. On the **General** tab of the **ODBC SQLBase Driver Setup** form, enter **winbridge** as the Data Source Name and enter **wbridge6** as the Database Name. The **Description** field can be left blank. The data source name will be used to reference the database from applications such as MS Access. You can use any name you want, but the database name must match the name given to the database during the installation process (wbridge6 is the default).



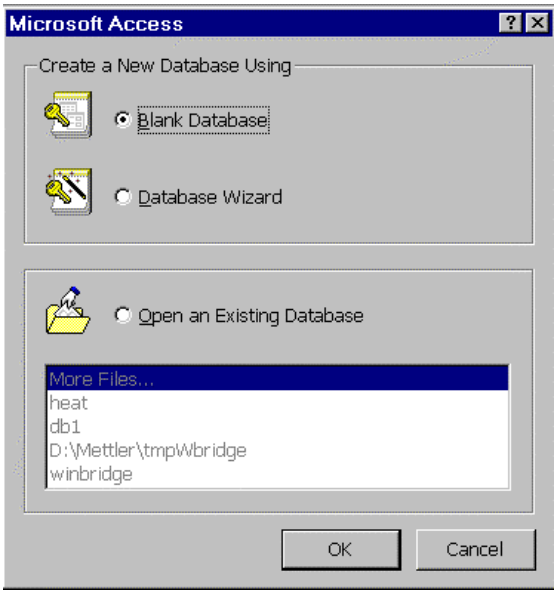
25. On the **Advanced** tab, enter **SERVER6** as the Server Name.

26. Click the **Apply** button, and then click the **OK** button to close the setup screen.

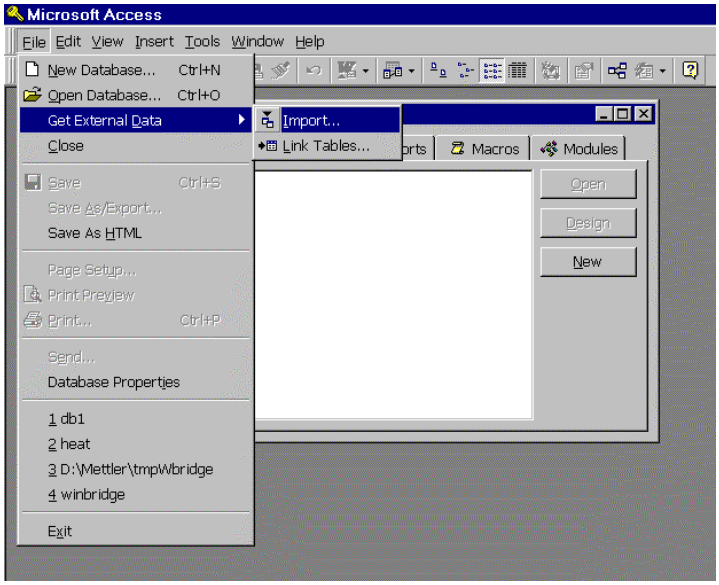


27. Open the sql.ini file located in the C:\sqlb701 directory.
28. Scroll to the bottom of the sql.ini file and locate the [win32client.dll] section.
29. Make sure there is a semicolon (;) in front of each of the entries in the [win32client.dll] section, except comdll=sqlws32. Edit the entries if necessary, so that they look like the ones highlighted above.

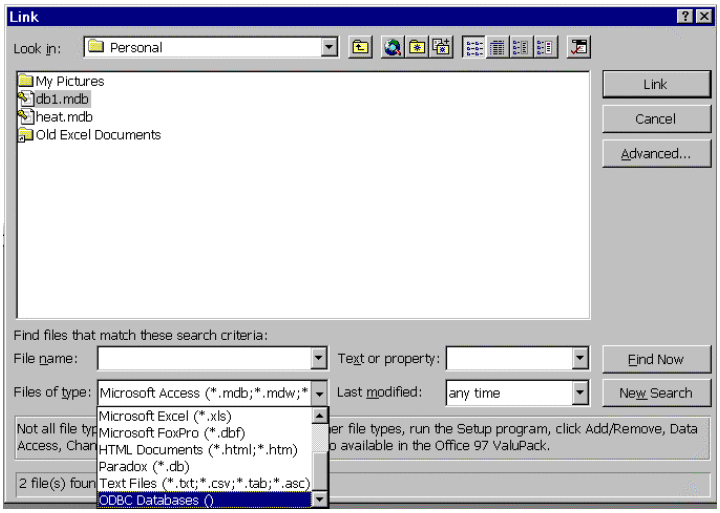
    NOTE: If you install WinBridge 1.3.9 from a CD containing revision 27 or later, you should not have to modify the sql.ini file.
30. Save the file and close it.
31. Copy the sql.ini file from the C:\sqlb701 directory to the C:\sqlb701\client directory.
32. Copy the sqlws32.dll file from the C:\sqlb701 directory to the C:\sqlb701\client directory.



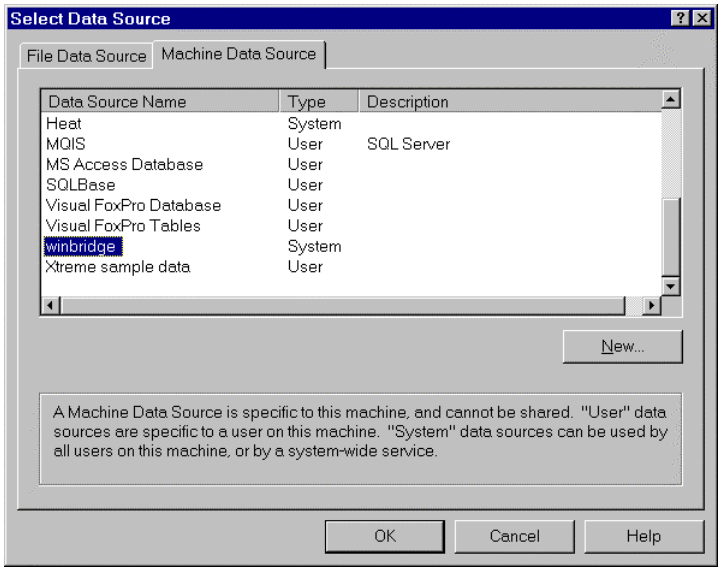
33. Launch MS Access. Create a new blank database and name it as a MS Access database (*.mdb).



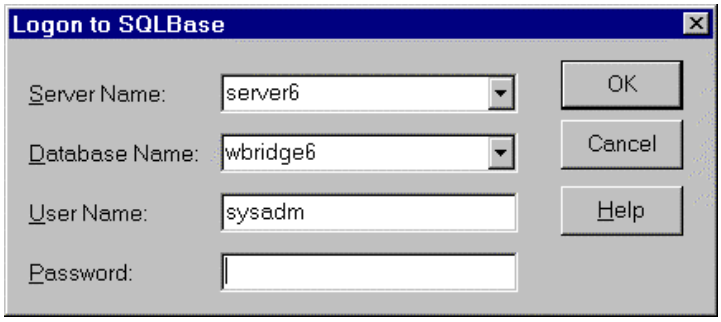
34. Go to **File / Get External Data** and select **Import** (to be able to view data) or **Link Tables** (to be able to modify data).



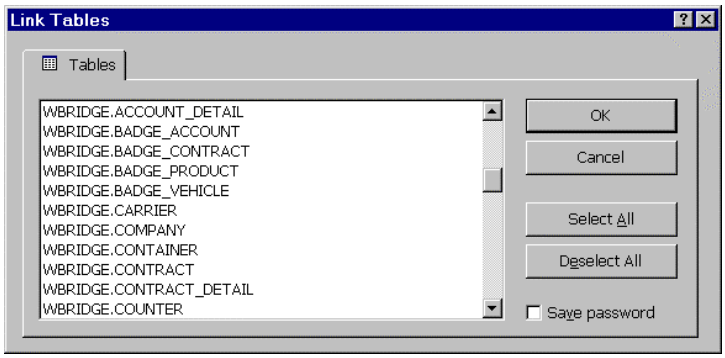
35. Select **ODBC Databases ()** as the file type.



36. On the **Machine Data Source** tab, double-click **winbridge**.



37. No password is required. Simply click the **OK** button.



38. Now you can view the data in the SQLBase database.

39. Repeat this procedure for each of the client computers.

NOTE: If you link the SQLBase database to MS Access, you can change the data in the SQLBase database.

WARNING: If you change the weight information on a transaction, you will have nullified the transaction. The log file and the database will not match. It is the user's responsibility not to change critical data via MS Access. ODBC is provided for report writing, importing data to the tables (vehicle, product, etc.), and viewing, not for editing the WinBridge transaction table.

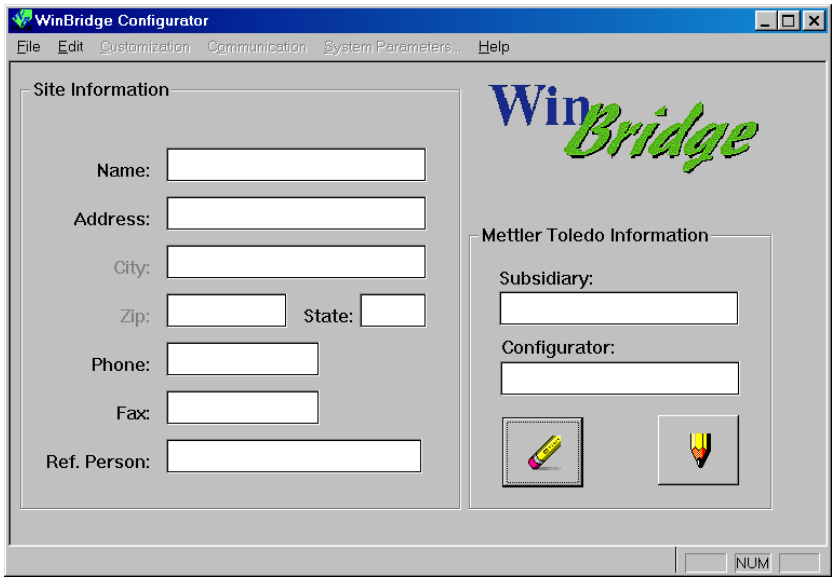
3 Installing the Configurator Program

The WinBridge Configurator program is to be used by an authorized METTLER TOLEDO configurator to set up a WinBridge system for a customer. With it, you can customize the appearance of the WinBridge screens, configure the system's communications, and configure system parameters.

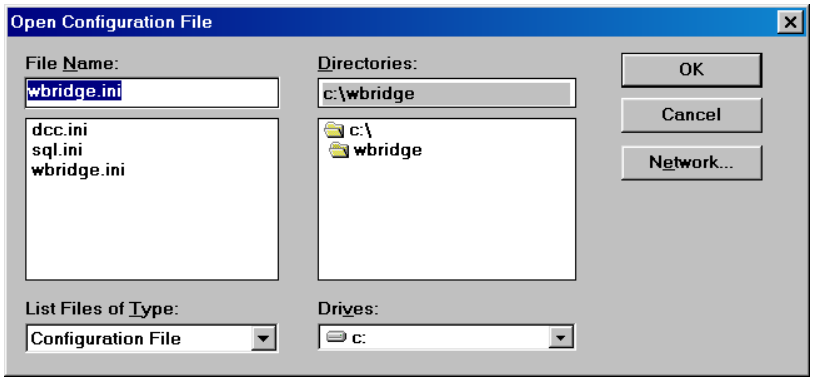
Installation

You can install the WinBridge Configurator program during the Configurator Installation described in Chapter 1. If you do a Typical Install (step 7), the Configurator program will be installed automatically. If you do a Custom Install, you will need to check the **Configuration Files** option (step 8). The WinBridge program must be installed on your computer for you to be able to use the Configurator program.

1. To start the Configurator program, double-click on the Wbconf.exe file in the Wbridge directory. The **WinBridge Configurator** screen will appear.



2. Select **Open** from the **File** menu. The **Open Configuration File** form will appear.



3. Select the **File Name** (Wbridge.ini) that you want to configure, and then click **OK**. The WinBridge initialization file (Wbridge.ini) contains the default configuration. When you configure the program, you are actually making changes to this file. Be sure to save a copy of the default version of this file so that you can use it every time you configure a new system.
4. When the file opens, an asterisk (*) should appear in each data field on the **WinBridge Configurator** screen. If a customer's name and address appear in the data fields, you have probably opened a copy of the initialization file that has already been configured.
5. Replace the asterisks under the **Site Information** heading with information about the customer for whom you are configuring the system. Enter your company's name and your name in the data fields under the **Mettler Toledo Information** heading.
6. You can now use the tools listed in the menus on the **WinBridge Configurator** screen to begin configuring the customer's WinBridge system.

NOTE: Copy the Wbridge.exe, Wbridge.ini, and Wbridge6.dbs files and store the copies as backups. If you are translating the program to another language, copy the files that you will be translating and store copies of the English versions as backups.

The rest of this chapter provides a brief overview of the Configurator program's menu bar.

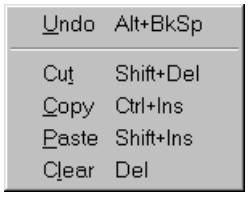
File Menu

The **File** menu includes the following options:

1. **Open:** Opens the WinBridge initialization file (Wbridge.ini).
2. **Report:** Allows you to print the configuration report, view it on your computer, or write it to a file.
3. **Print Setup:** Enables printer setup.
4. **Exit:** Closes the Configuration program.

Edit Menu

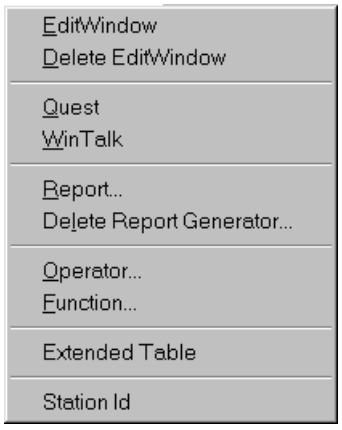
The **Edit** menu includes the following standard functions:



1. **Undo:** Reverses the last action.
2. **Cut:** Deletes the selected data and copies it to the clipboard.
3. **Copy:** Copies the selected data to the clipboard.
4. **Paste:** Inserts the contents of the clipboard at the cursor position.
5. **Clear:** Deletes the selected data without copying it to the clipboard.

Customization Menu

The **Customization** menu includes the following configuration tools:

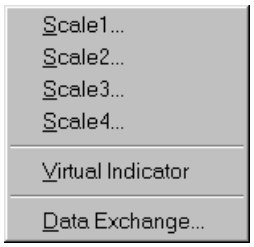


1. **EditWindow:** Starts EditWindows, the tool for customizing the WinBridge processing screens and forms (see Chapter 5).
2. **Delete EditWindow:** Deletes EditWindows from the customer's computer.
3. **Quest:** Starts the Quest Database utility (not included). This utility can be installed using the Centura SQL-Windows 7.0.1 setup provided on the WinBridge CD.
4. **WinTalk:** Starts the WinTalk Database utility (not included). This utility can be installed using the Centura SQL-Windows 7.0.1 setup provided on the WinBridge CD.
5. **Report:** Starts the WinBridge Report Generator (see Chapter 9).
6. **Delete Report Generator:** Deletes the WinBridge Report Generator from the customer's computer.
7. **Operator:** Opens the **Operator** table so that you can define each operator's profile.
8. **Function:** Opens the **Enabled Functions** screen. From this screen, you can choose up to 10 frequently used functions (from among 30 available functions) to be individually enabled/disabled to the WinBridge users.
9. **Extended Table:** Displays the **Extended Tables Configuration** screen, from which you can enable the use of 15 additional tables and define their setup.

10. **Station ID:** The WinBridge station ID is written in the database and allows you to identify data from several WinBridge databases. It is useful when data coming from different databases must be merged into one file to be processed on a host computer.

Communications Menu

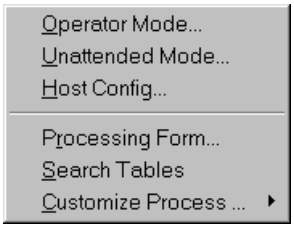
The **Communication** menu includes the following scale setup and communication setup options:



1. **Scale1:** Opens the **Scale Setup** form so that you can configure communications between WinBridge and scale #1.
2. **Scale2:** Opens the **Scale Setup** form so that you can configure communications between WinBridge and scale #2.
3. **Scale3:** Opens the **Scale Setup** form so that you can configure communications between WinBridge and scale #3.
4. **Scale4:** Opens the **Scale Setup** form so that you can configure communications between WinBridge and scale #4.
5. **Virtual Indicator:** Opens the **Virtual Indicator Setup** form so that you can configure a virtual indicator as the sum of weight readings from two or more scales.
6. **Data Exchange:** Lets you configure the system for communication with external programs.

System Parameters Menu

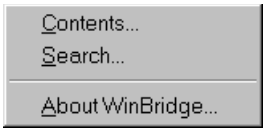
The **System Parameters** menu includes the following options for configuring WinBridge parameters and functions:



1. **Operator Mode:** Lets you set processing parameters.
2. **Unattended Mode:** Lets you configure the WinBridge Unattended Module.
3. **Host Config:** Lets you configure host communications.
4. **Processing Form:** Lets you make limited changes to the WinBridge Vehicle Processing screen.
5. **Search Tables:** Lets you configure the search function.
6. **Customize Process:** Lets you set up WinBridge to back up the database, export transactions, and clear the log file automatically.

Help Menu

The **Help** menu includes the following options:



1. **Contents:** Lets you view the Help table of contents.
2. **Search:** Lets you search for a specific Help topic.
3. **About WinBridge:** Provides information about this version of WinBridge.

4 Translating WinBridge

If a customer wants a WinBridge program in a language other than English, you can translate the background text and system messages that appear on screen. You can also translate the User Manual for the customer.

Resource File

A resource file lists all the resources, or objects, in an application. Resources include windows (such as forms, tables, and dialog boxes) and their contents (background text, push buttons, combo boxes, etc.). The resources are listed by name; the attributes that you can change are in a block between Begin and End statements. Here is a sample resource file listing for the **Clear** push button:

```
Pushbutton: pbClear
Begin
        Property Template:
        Title: Clear
        Window Location and Size
        Begin
                Left: 2.488"
                Top: 3.073"
                Width: 1.2"
                Height: 0.292"
        End
        Visible? Yes
        Keyboard Accelerator: (none)
        Font Name: Default
        Font Size: Default
        Font Enhancement: Default
        Picture File Name:
        Picture Transparent Color: None
        Image Style: Single
        Text Color: Default
        Background Color: Default
End
```

A resource file also has a section that contains the string constants in the application:

```
String Table
Begin
        LOAD_PARAM=`Wait… Loading System Parameters!'
        VALIDATING_VEHICLE=`Wait… Validating Vehicle!'
        DATA_ExportTrans=`Data Export Transaction'
End
```

EditWindows creates resource files when you export resources. Resource files have a *.res extension so that EditWindows recognizes them when you import resources into an application.

Edit a copy of the resource file with any text editor. You should save both the original resource file and the copy that you edited.

The resource files generated here are compatible only with WinBridge and EditWindows. They differ significantly from resource files generated by other development systems.

Resource File Reference

1. Syntax Rules For Resource Files

Edit only text between Begin and End statements, except resources with resource IDs, such as menu names and background text.

Comment lines have an exclamation point (!) or pound (#) character at the beginning of the line.

Do not use continuation lines except in string resources.

You can insert blank lines.

2. Editing Resource Files

The information (the object's name or resource ID) outside the Begin-End block is the unique identifier for the object. You can edit the object's name when it falls in a Begin-End block.

Pop-up menus, menu items, and background text have editable names. For these objects, do not edit the resource ID. For objects that do not have resource IDs, you cannot edit the names. Changing resource IDs and identifying object names corrupts a resource file.

You can:

- Change resource attributes.
- Delete resource attributes such as width, font, and location.

- Delete an attribute from the resource file, but that leaves the attribute unchanged in the application. Exceptions are initialization items for combo boxes and list boxes.
- Delete entire resources (all the text in the Begin-End block, plus the resource identifier).

You cannot:

- Add new resources.
- Change resource names of IDs.
- Add new resource attributes, except for list box and combo box initialization.

3. Changing String Constants

A string table, located at the end of a resource file, looks like this:

```
String Table
Begin
        strError1=`The end time must be later than the start time.'
        strError2=`Input values must be numbers between 0 and 9.'
        strError3=`Do you want to change another entry?'
        strError4=`System Error. Exit your application and restart Windows.'
End
```

To change the string constants, edit the resource file with a text editor and import the resources into the application. You can also change string constants interactively using the Customizer.

4. Initializing List Boxes and Combo Boxes

List box and combo box initialization is different from other resource attributes; you can add or delete them from the application using EditWindows. If you remove a list box or combo box initialization attribute from the resource file, it is deleted from the application when you import the resources. You can add initialization attributes to the resource file and they are included in the new application.

Translating the Resource File

Translating the resource file involves three steps:

- Create a resource file by exporting the resources
- Translate the resource file
- Import the resources back into the WinBridge application

Exporting Resources

1. Open the EditWindows program. You can do that be selecting **EditWindow** from the **Customization** menu on the **WinBridge Configurator** screen.
2. Select **Export Resources To** from the EditWindows **Resource** menu. The **Export Resources** dialog box will be displayed.

3. Use the default name for the resource file (Wbridge.res), or enter a different name for the file.
4. Click **OK** to begin exporting the resources. A resource file will be created in the C:\Wbridge directory.

Translating the File

Use a text editor such as Word Pad to view and change the resource file. Translate the text that will appear on screen and substitute the translations for the text in the resource file.

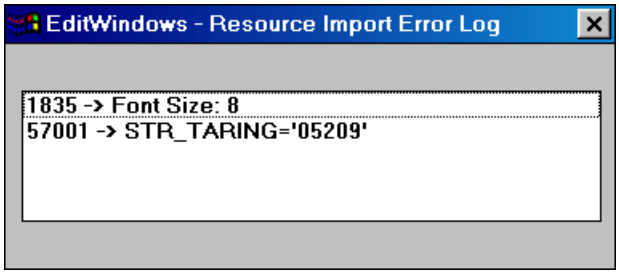
Change only the text appearing after one of the following strings:

- Title:
- Status Text:
- Menu Item:
- Group Box:
- Background Text:
- DO NOT TRANSLATE text appearing after strings other than those specified above, words preceded by "df," "pb," "frm," "col," "tbl," and similar expressions, or text appearing after one of the following strings:
  - Data Field:
  - Column:
  - Table Window:
  - Dialog Box:
  - Push Button:
  - Form Window:
  - Radio Button:
  - Check Box:
  - Menu:

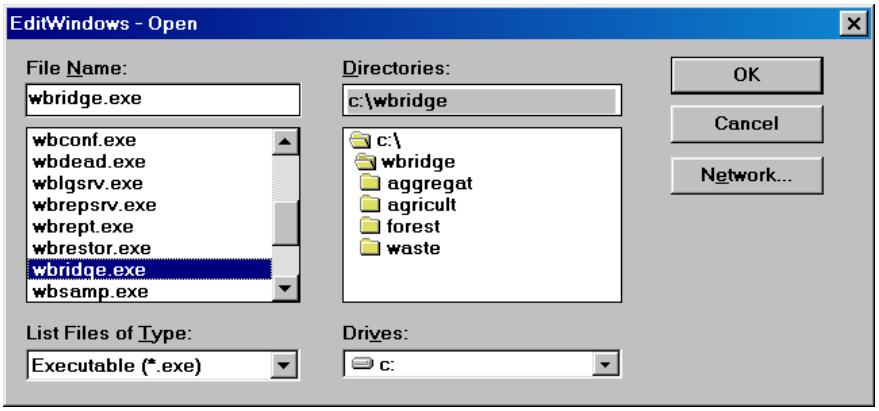
Importing Resources

Importing resources automatically updates the application with the changes you made in a resource file. You can import resources only if the resource file and the WinBridge application are the same version (for example, both are version 1.3.9).

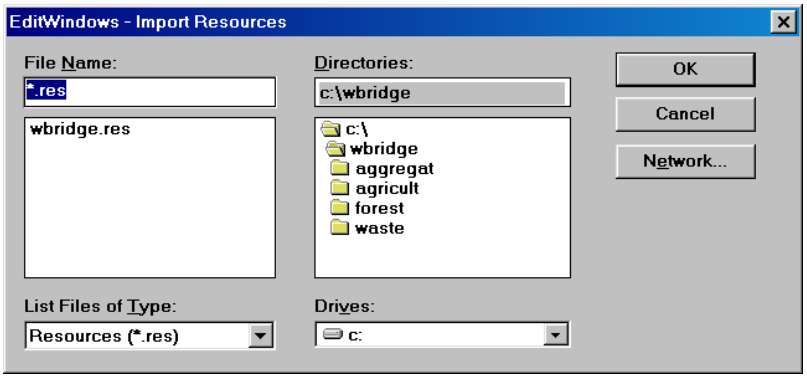
When EditWindows detects an error during the import process (for example, it finds a resource in the resource file with no corresponding ID in the application file), it will report the error and might abort the import if the error is severe.



1. Open the EditWindows program. You can do that be selecting **EditWindow** from the **Customization** menu on the **WinBridge Configurator** screen.
2. Select **Open** from the **File** menu. The **Open** dialog box will be displayed.



3. Scroll through the list box and click on the WinBridge executable file (Wbridge.exe) to select it. Then click **OK** to open the file.
4. Select **Import Resources From** from the EditWindows **Resource** menu. The **Import Resources** dialog box will be displayed.



5. Click on the resource file name (Wbridge.res) to select it, and then click **OK** to import the resources.

Translating the Message File

The system messages are located in the logmessa.msg file in the C:\Wbridge directory. Translate only the actual messages that will appear on screen. See Appendix 3 for a copy of the logmessage file (the messages to be translated are shown in italics).

Messages Generated by the Server

The messages generated by SQLBase are contained in the text file error.sql, which is located in the C:\sqlb701 directory.

SQLBase loads this file at startup. The message format is as follows:

<IdMsg>: <synthetic description>

<Reason>: <analytic description>

<Remedy>: <recovery procedure>

The message can be translated, but the structure must be maintained; the <IdMsg> must not be changed.

The following text is an example of the ERROR.SQL file:

00001 FET EOF End of Fetch

Reason: A FETCH has attempted to fetch beyond the end of a result set.

Remedy: None, informational only.

00002 FET UPD Row has been updated

Reason: A FETCH in result set mode returns this code if the row has been updated at least once since the result set was formed, but it cannot know when or how often.

Remedy: Add the ROWID to the select list. The ROWID retrieved will be the ROWID of the newly updated row. The application should deal appropriately with rows that have been modified while part of a result set.

Report Text

The text contained in WinBridge report layouts has to be translated directly with **ReportWindows** (included in the Configurator's Development Kit and in WinBridge Report Module).

The only fields that can be translated are the "background texts" (gray background) in the ReportWindows window. DO NOT TRANSLATE the data fields (white background).

The report layouts files have a *.qrp extension and can be opened only with ReportWindows. These files are located in the C:\Wbridge directory.

Time and Date Formats

The formats selected from Windows **Control Panel** (international) will be automatically applied to show:

- Date
- Time
- Numeric format
- Currency format

ReportWindows offers the following date and time formats to be printed on tickets and reports:

MMMM	Month: January-December
d	Day: 1-31
dd	Day: 01-31
ddd	Day: Sun-Sat
dddd	Day: Sunday-Saturday
yy	Year: 2-digit: 00-99
yyyy	Year: 4-digit: 0000-9999
hh	Hour: 12-hour clock
hhhh	Hour: 24-hour clock
mm	Minute: 0-59
ss	Second: 0-59
mmmmmm	Microseconds: 000000-999999
AMPM	International AM or PM string

5 Using EditWindows

Introduction

EditWindows is a configuration tool used to change the appearance of the windows (forms, tables, and dialog boxes) that appear on the computer screen when you are using WinBridge. For a typical WinBridge installation, you will need to customize some or all of the windows to suit the customer's requirements.

How many changes you will need to make depends on the customer's application. Customizing a window can include the following steps:

- Hide objects that are not needed
- Arrange the objects that are visible
- Edit the text that appears on the screen
- Change the appearance of objects
- Add pictures to the screen
- Change the size of windows
- Assign keyboard accelerators
- Set the tab order for the objects

Objects

The first type of object is a window, including its background and border:

- Forms
- Tables
- Dialog Boxes

The second type of object is an item that appears on the window:

- Background Text
- Group Boxes
- Frames
- Lines
- Data Fields
- Multiline Fields
- Push Buttons
- Radio Buttons
- Check Boxes
- List Boxes
- Combo Boxes
- Pictures
- Scroll Bars
- Custom Controls

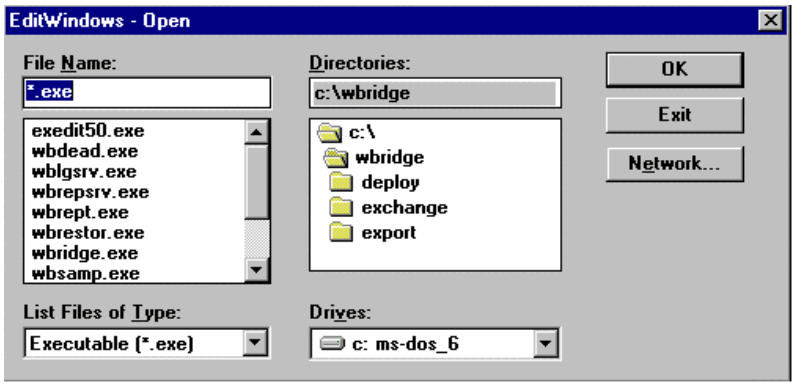
You can make changes to an object by using the object's customizer. This menu is linked to an object and lists the options

that EditWindows gives you for changing the object. A sample customizer is shown below.

1. To display a customizer, double-click or right-click on the object.
2. Highlight the menu item that you want to change.
3. A submenu will appear. Click on the desired option.
4. When you are finished making changes, click **Done**. The changes will not become permanent until you close EditWindows and save them.

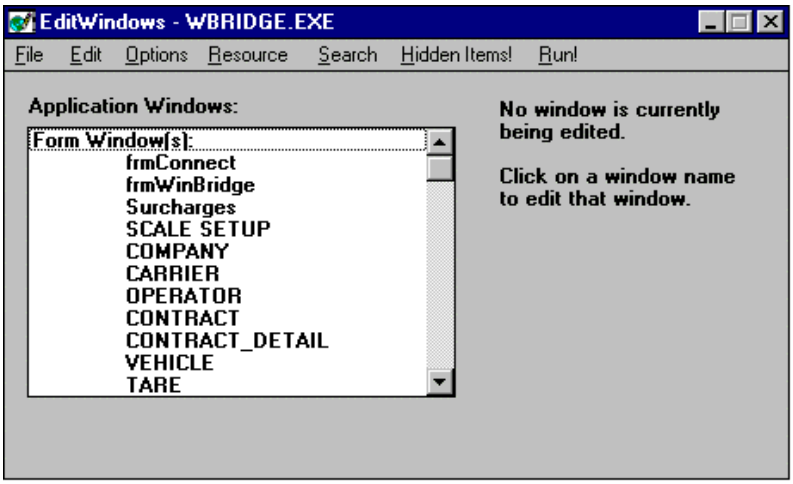
Starting EditWindows

1. Double-click the EditWindows file (Exedit50.exe in the C:\Wbridge directory) to display the **Open** dialog box.



2. Select the file that you want to edit by clicking on the file name (Wbridge.exe) in the list box or by typing the entire path of the file in the **File Name** field.
3. Click **OK** to display the **EditWindows** dialog box.

   NOTE: You can also reach this dialog box by selecting **EditWindow** from the **Customization** menu on the **WinBridge Configurator** screen.



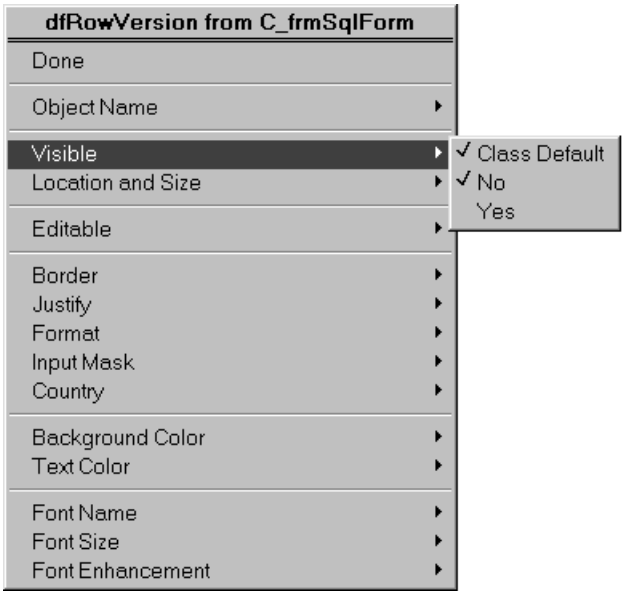
4. The **Application Windows** list box shows all the windows in the application you are editing. There are three types of windows: forms, tables, and dialog boxes. Click on the name of the window that you want to edit. The window will then be displayed on your computer screen.
5. The message "No window is currently being edited" appears to the right of the list box. When you select a window from the list box, the message is replaced by the window's name, position of the top left corner, dimensions, and icon file.

Hiding Objects

Each window has its own set of objects. You cannot add objects to or delete them from a window. But you can make them visible or invisible. By default, most WinBridge objects are visible. The first step in customizing a window is to simplify it by hiding any objects that the operator will not need to use.

To Hide Objects

1. Double-click on the object, or click on it once with the right mouse button. The object's customizer menu will appear.



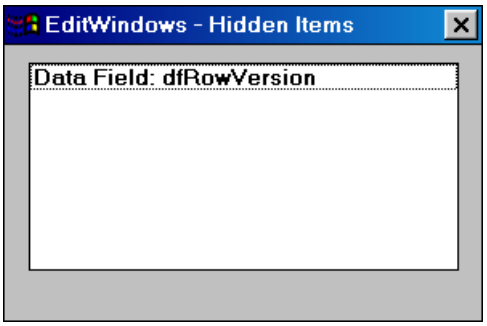
2. Highlight **Visible** on the menu and click **No**. The object should now be hidden.
3. After you have made all changes with the customizer menu, click **Done**. The changes will not become permanent until you close EditWindows and save them.

When you hide a field in a dialog box, be sure to hide the same field anywhere else that it appears in the WinBridge program.

NOTE: If you hide a required data field (for example, the Vehicle ID), it will remain visible on the WinBridge window even though it is hidden when you view the window in EditWindows.

To Make Hidden Objects Visible

1. With the window that you are editing open, go to the EditWindows dialog box and click **Hidden Items!** on the menu bar. The **Hidden Items** dialog box will appear (see below). It lists any objects that are hidden. An empty list box means that there are no hidden objects in the window.



2. Select an object from the **Hidden Items** list box by clicking on its name. The object's customizer menu will appear.
3. Highlight **Visible** on the menu and click **Yes**. The object should now be visible.

To Enable Fields

You can use one of the following options to add fields to the Vehicle Processing screen or one of the tables:

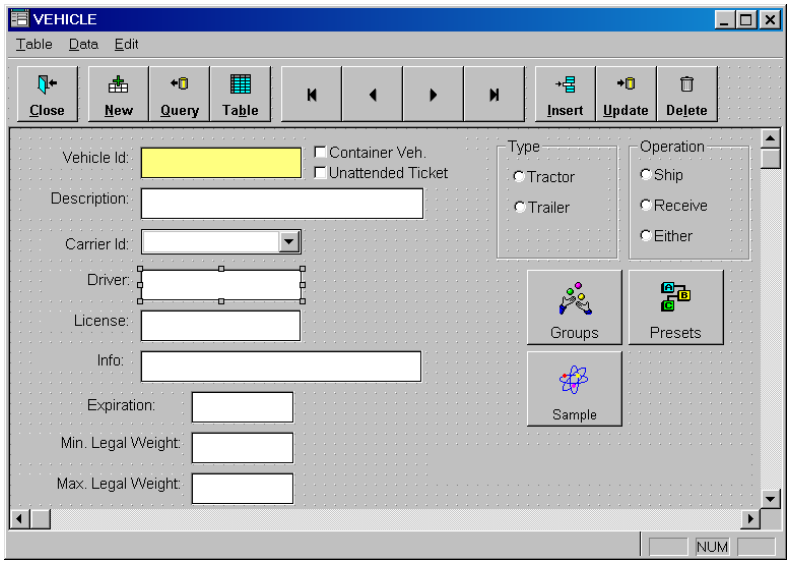
- **Background text**
  You can use background text that is hidden or not being used.
- **Two Remark tables**
  The **Remark** and **Remark2** tables can be used for any type of information. They have only two fields (ID and Description).
- **Four spare fields in Transaction table**
  Four spare fields are available in the **Transaction** table. These fields can be shown on screen and can be used for data that is not stored in the database.
- **Fifteen additional tables**
  If the Advanced Module is installed, you can use any of the 15 additional tables that it provides.

Before deciding which of these options to use, you should understand the purpose of the field that you are modifying. Every time you decide to use a field for a purpose different from the original one, make a note of it on the customer's file.

Arranging Objects

Once you have hidden any objects that are not needed, you can use EditWindows to rearrange those that are visible. The easiest way to rearrange objects on a window is to use your mouse to drag them.

1. Position the cursor on an object and click the left mouse button to select the object.
2. Handles will appear at each corner of the object and at the midpoint on each side. The **Driver** data field on the Vehicle form shown below has been selected.



3. With the cursor positioned on the object, hold down the right mouse button and move the mouse.
4. When the object is positioned where you want it, release the mouse button.

You can also use the customizer to move objects:

1. Double-click on the object to display its customizer.
2. Highlight **Location and Size** on the menu. This will display the **Left** and **Top** submenu options.
3. Next to the **Left** option, enter the distance from the left edge of the window that you want to position the object.
4. Next to the **Top** option, enter the distance from the top of the window that you want to position the object.

Click on the upper left-hand portion of a submenu to display the current settings. Click on the center of the submenu or use the down arrow key to select the default settings.

Changing the Appearance of Objects

You can use EditWindows to change an object's appearance.

Size

The methods for resizing objects are similar to those used for moving objects. Select an object with your mouse and use the handles to resize the object. With the cursor positioned on one of the handles, hold down the left mouse button and move the mouse.

- Use the top and bottom handles to adjust the object's height.
- Use the side handles to adjust the object's width.
- Use the corner handles to adjust both height and width.

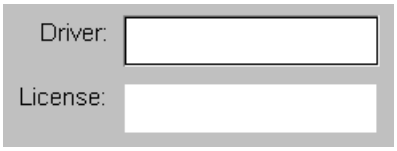
You can also use the customizer to resize objects:

1. Double-click on the object to display its customizer.
2. Highlight **Location and Size** on the menu. This will display the **Width** and **Height** submenu options.
3. Next to the **Width** option, enter the desired width.
4. Next to the **Height** option, enter the desired height.

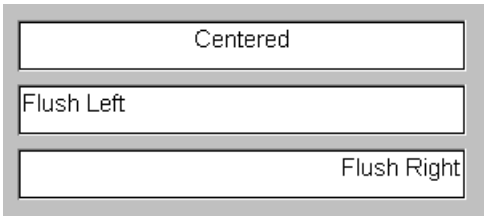
Click on the upper left-hand portion of a submenu to display the current settings. Click on the center of the submenu or use the down arrow key to select the default settings.

Borders

You can add or delete a border around an object. Double-click on the object to display its customizer. Highlight **Border**, and click on **Yes** to add a border or **No** to delete a border. The **Driver** data field shown below has a border around it. The **License** data field has no border.

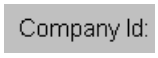


Justification
You can justify text so that it is centered, flush left, or flush right within a data field. Open the data field's customizer, highlight **Justify**, and click on **Center**, **Left**, or **Right**. Examples of the three options are shown below.



Color
You can change the color of an object's background. To change the background color for a window, double-click on an area of the window where no objects are positioned. On the Window's customizer, highlight **Background Color** and then select a color. The background color of the objects in the window will change along with the window if they are set to **Default** color. If they are set to a specific color, they will remain that color when you change the window's background color.

Text Color
Text objects have two colors: the color of the text and the color of the text's background. A sample text object and its background are shown below.



When you select a text object, you can use its customizer to change these colors. NOTE: If the same color is chosen for both **Text Color** and **Background Color**, the text will not be visible.

Text
You can also use the customizer to change the appearance of text by changing its font, font size, and font enhancement. Font enhancement allows you to set the text as italic, underlined, bold, or strikeout. Examples are shown below.

Editing Text

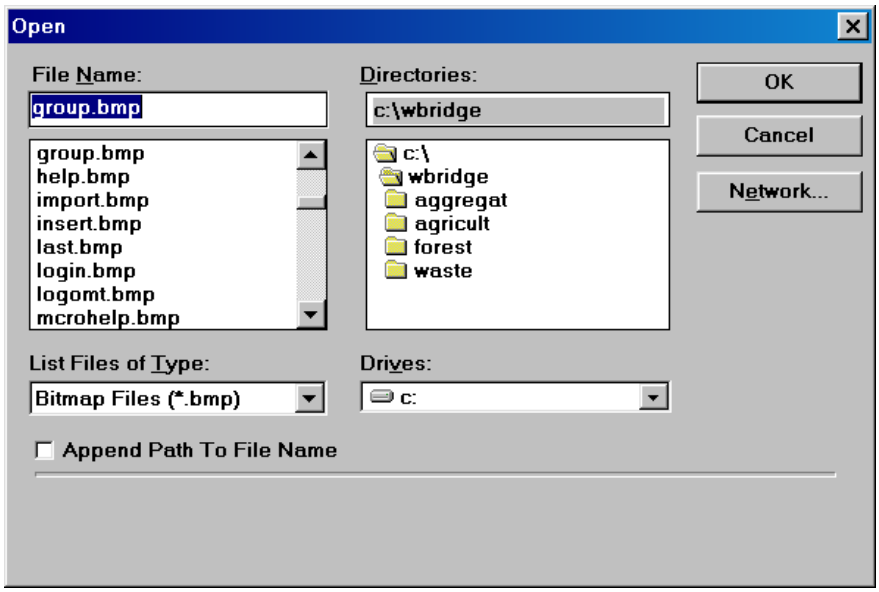
You can edit the background text that appears on a window.

1. Position the cursor on the text object that you want to edit.
2. Hold down the SHIFT key and click the right mouse button.
3. A cursor will appear at the beginning of the text, and you will be able to use the keyboard to edit it.

Adding Pictures

You can use EditWindows to change the pictures that appear on push buttons.

1. Double-click on a button to display its customizer.
2. Highlight **Picture Contents**.
3. Click on **File Name**. A dialog box will appear, allowing you to browse and select a new picture to replace the one shown.



The customizer's **Picture Transparent Color** menu option lets you eliminate individual colors in the picture.

Changing Window Size

You can use EditWindows to change the size that a window appears on screen and to enable/disable operators to resize it.

Initial Size
You can set the size that each window will be when it appears on screen. Open the window's customizer and highlight **Initial Size**. Then select **Maximum**, **Minimum**, or **Normal**.

Resizing
If you want the operator to be able to change the size of the window, select **Resize** from the **Initial Size** submenu.

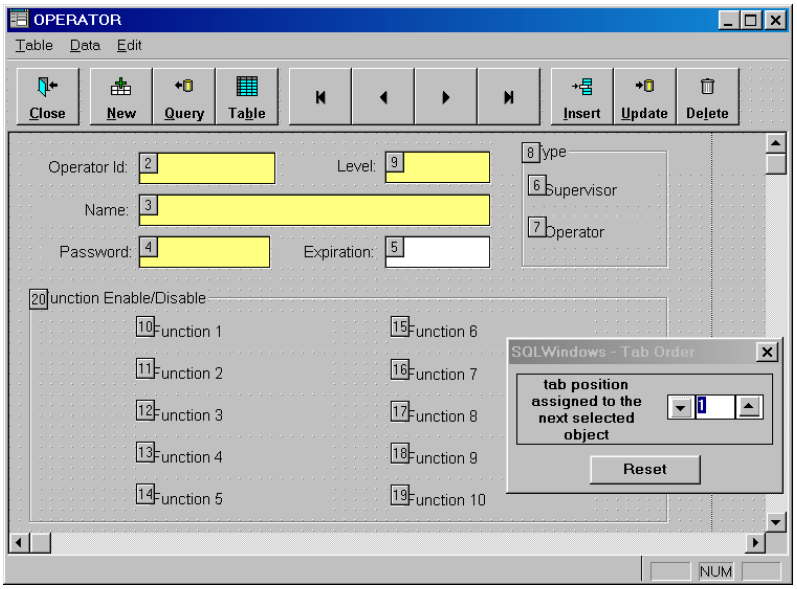
Assigning Keyboard Accelerators

You can assign keyboard accelerators for push buttons. This will allow the operator to press a key on the computer's keyboard to perform the button's function. Open the push button's customizer and select **Keyboard Accelerator**. You can assign the button's function to any of the function keys (F1 to F12), the ESC key, or the ENTER key. Be careful not to assign the same keyboard accelerator to more than one button on a window.

Tab Order

When using WinBridge, an operator can press the TAB key to move the cursor from item to item on a screen. EditWindows lets you change the order in which the items are highlighted.

1. With the window that you are editing open, select **Tab Order** from the EditWindows **Options** menu. Each object in the window will be numbered, and a dialog box will be displayed, from which you can change the tab order of items.



2. There are two ways to change the tab order:
   - Put the mouse pointer on the object you want to be first in the tab order and click the left mouse button. The item's current tab order position will change to one. Then put the pointer on the object that you want to be next, and click. Continue until you have assigned a number to each item.
   - Click on the up or down arrow in the dialog box to choose a tab order position. Put the mouse pointer on the object you want to assign that number to, and then click the left mouse button. The item's tab order position will change, and the positions of the other items will be updated.

EditWindows Tips

To close the Vehicle Processing screen in EditWindows, type ALT+F4.

EditWindows has a grid that helps you align objects within a window. You can disable the grid if you want more freedom in positioning objects. Enable/disable the grid with the **Use Grid** command in the EditWindows **Options** menu.

Many of the items on the customizer menus list **Default** or **Class Default** as an option. These options can help you make sure that objects in a window have a consistent look.

Select **Show Sample Text** from the **Options** menu to have EditWindows fill all objects contained within a parent window with sample data. This can help you format objects.

To get the text in spare fields 10, 11, 12, and 13 to wrap, remove the borders from the fields.

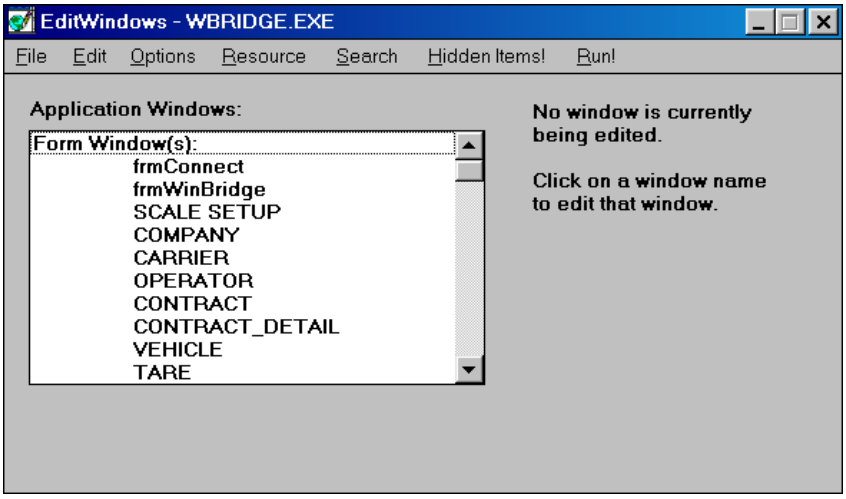
Uncheck **EditWindows Enabled** in the **Save As** dialog box of the **File** menu to disable EditWindows so that the customer cannot modify a completed application. **Caution: Once the configuration has been saved, no one will be able to access the application with EditWindows, including you! Always modify a copy of WinBridge, not the original.**

Alternative Method

You can also configure the appearance of WinBridge windows by editing the application's resource file (Wbridge.res). See Chapter 4 for an explanation of the resource file and how to create it.

EditWindows Menus

This section explains the functions of the menu options available on the EditWindows screen (shown below).



1. File Menu

Open: Opens an application. This dialog box is the first thing you see when you start EditWindows.

Save: Save the open application, including any changes you made since the last time it was saved. After saving, the application remains open.

Save as: Saves a copy of the open application under a new name that you choose. When you open an application, change it, and then save it with a new name, the changes are applied and the new application remains open.

Exit: Closes EditWindows. If the open application has been changed since the last time you saved it, EditWindows asks if you want to "Save current changes?"

About EditWindows: Displays the version number of EditWindows.

2. Edit Menu

Undo: Undoes the last operation.

Object Selector: Selects multiple objects in a design window. To select the items:

- Click the upper left of the top and left-most item.
- Hold down the mouse button.

- Drag to the lowest and right-most item.
- The frame you draw around the items disappears when you release the mouse button, and all items that fall at least partly within the frame are selected. You can move the items as a unit to a new location within the boundaries of the window.

The mouse pointer changes to the Window Grabber when directly over an item.

Window Grabber: Selects a single object on the design window. This tool lets you move the object to a new location within the boundaries of the window. To select multiple items with the window grabber, hold down SHIFT and select the objects. You also use the Window Grabber to display the Customizer: place the Window Grabber over the item and double-click. Clicking the right mouse button while holding down the SHIFT key over an editable item changes the mouse pointer to an I-beam and enables interactive text editing.

3. Options Menu

Use Grid: Turns the grid on (check mark) and off (no check mark). When the grid is on, items you move or resize align automatically with the grid. When the grid is off, items are independent of the grid.

Show Grid: Displays the grid pattern in the active application window. When Show Grid is on, a check mark appears beside the menu item in the menu. If Show Grid is not on, the grid does not appear; however, the grid can still be active if Use Grid is on.

Align To Grid: Aligns the selected items with the nearest grid lines. You can align a single item or multiple items.

Tab Order: Displays a dialog box where you change the tab order of items. The items on the window appear with their current tab positions.

When you press the TAB key, the focus moves from control to control within the active window according to the tab order. In some cases, this may not be the order you want.

Tab position values range from one to the number of items in the window. If the maximum value is displayed and you click the up arrow to increment the value, it returns to one.

You can change the tab order in one of two ways:

- Put the tab order mouse pointer on the object you want first in the tab order and press the left mouse button. The item's current tab order position reflects the assignment. The tab order position in the dialog box increments for the next assignment.
- Click on the up (increment) or down (decrement) arrow in the dialog box to choose a tab order position, put the tab order mouse pointer over the item you want to assign, and press the left mouse button. The item's tab

order position changes to reflect the assignment and the tab position in the dialog box increments.

Show Sample Text: When you check this, EditWindows fills data fields, table window columns, and multiline fields with sample data.

Show Design Scroll Bars: If you uncheck this, EditWindows does not display scroll bars on form windows and table windows.

Align: Aligns selected items. You must select at least two items to enable this menu item. Choosing this menu item displays a cascading menu where you choose the alignment you want. Items are aligned relative to the first item you select, which has a darker highlight.

Items can be aligned relative to the left edge of the first item, centered relative to the first item, relative to the right edge of the first item, along the top edge of the first item, centered relative to the first item, or with the bottom edge of the first item.

Even Spacing: Distributes selected items evenly between the first and last selected items. You must select at least two items to enable this item.

Even spacing can be applied horizontally or vertically.

Equal Sizing: Sizes all selected items to be the same as the first item selected. You must select at least two items to use this.

Equal sizing can be applied horizontally, vertically, or both.

4. Resource Menu

Export Resources To: Displays a dialog box where you specify the name of the file to which you want to save the resource information.

Import Resources From: Displays a dialog box where you specify the name of the file from which you want to import resources into the application.

Edit Strings: Displays a dialog box where you can change string constants in the application. Be sure to edit only the String Text and not the String ID.

5. Search Menu

Find: Displays a dialog box where you specify text to search for. It searches all form windows, table windows, and dialog boxes in the application for strings that match the specified text. It finds strings in background text, titles, formats, and country profiles. When EditWindows finds a matching string, it opens the top-level window and highlights the specified string.

Repeat Last Find: Repeats the last search without displaying the Find dialog box. This menu item is disabled until you specify a search string in the Find or Change dialog box.

Change: Displays a dialog box where you specify both the string to search for and its replacement. Check the Case Sensitive option to

specify that the search and replace operation depends on the capitalization you specify in the Find What and Change To fields.

6. Hidden Items!

Displays a dialog box that shows a window's hidden items. The exclamation (!) after the command means that this has no menu associated with it; the command happens immediately when a user chooses it.

To make a hidden item visible, click the name in the dialog box. Click Visible and check Yes in the Customizer. To hide a visible item, double-click it (or right click), click Visible in the Customizer, and check No.

7. Run!

Executes the application. Use this command to check changes you made to the application. When the application is running, the item changes to Stop! To end execution, choose Exit from the File menu in the simulated application or choose the EditWindows menu item Stop!

EditWindows Objects

This section list the types of objects that can be edited with EditWindows and the options found in their customizer menus.

1. Background Text

Background text specifies titles, labels, or instructions.

You can edit background text by pressing the SHIFT key and clicking the right mouse button.

Attributes:

Object Title: The title of the background text. Create a mnemonic by adding an ampersand (&) before the letter that is the mnemonic.

Visible: If yes (default), the background text is visible at runtime. If no, the background text is not visible at runtime.

Location and Size: Displays a cascading menu with the background text's position (top and left) and size (width and height).

Justify: The justification of the background text. The default is Left.

Background Color: The background color of the background text.

Text Color: The color of the background text.

Font Name: The font of the background text.

Font Size: The font size of the background text.

Font Enhancement: The font enhancement of the background text.

2. Check Box

When the user clicks a check box, it turns an option on or off.

More than one check box can be on at the same time.

Attributes:

Object Name: The name used to refer to the check box.

Object Title: The title of the check box. Create a mnemonic by adding an ampersand (&) before the letter that is the mnemonic.

Visible: If yes (default), the check box is visible at runtime. If no, the check box is not visible at runtime.

Location and Size: Displays a cascading menu with the check box's position (top and left) and size (width and height).

Background Color: The background color of the check box.

Text Color: The color of the check box text.

Font Name: The font of the check box text.

Font Size: The font size of the check box text.

Font Enhancement: The font enhancement of the check box text.

3. Combo Box

A combo box contains a data field and a list box. The list box contains predefined scrollable items that a user chooses to fill the data field.

The list box part of a combo box can have these features:

- Sorted items.
- Vertical scroll bar.
- Can always be dropped.

The data field part of a combo box can be editable or non-editable. If the data field is non-editable, there is no space between the right side of the data field and the down arrow. If the data field is editable, there is a space between the right side of the data field and the down arrow.

At any given time, the user can select one item or no items in a combo box list.

Combo boxes can be used as follows:

1. Click an item in the list box to select it, put it in the data field part of the combo box, and close the list box.
2. The arrow keys scroll the list box, change the selection, and the contents of the data field part of the combo box. If the list box is not down, the arrow keys change the selection in the data field.
3. If the combo box is editable, press an alphabetic key to scroll to an item that starts with that letter.
4. The ALT+Up Arrow and ALT+Down Arrow open and close the list box.

Attributes:

Object Name: The name used to refer to the combo box.

Visible: If yes (default), the combo box is visible at runtime. If no, the combo box is not visible at runtime.

Location and Size: Displays a cascading menu with the combo box's position (top and left) and size (width and height).

Editable: If yes (default), the user can enter or edit text in the data field part of the combo box. If no, the user cannot enter or edit text.

Input Mask: Input validation criteria for the data field.

Sorted: If yes (default), the items in the list box part of the combo box are sorted. The sort order (collating sequence) is determined by the Windows character set and the country setting.

Always Show List: If yes, the list box part of the combo box is always displayed. If no (default), only the list box drops down when the user clicks the arrow.

Vertical Scroll: If yes (default), the list box part of the combo box has a vertical scroll bar on the right side.

Background Color: The background color of the combo box.

Text Color: The color of text in the combo box.

Font Name: The font of text in the combo box.

Font Size: The font size of text in the combo box.

Font Enhancement: The font enhancement of text in the combo box.

4. Data Field

A data field displays output or accepts input.

Attributes:

Object Name: The name used to refer to the data field.

Visible: If yes (default), the data field is visible at runtime. If no, the data field is not visible at runtime.

Location and Size: Displays a cascading menu with the data field's position (top and left) and size (width and height).

Editable: If yes (default), the user can enter or edit text in the data field. If no, the user cannot enter or edit text.

Border: If yes (default), the data field has a border. If no, the data field does not have a border.

Justify: The justification for the data field. The default is left.

Format: The output format of the data field. The default is unformatted.

Input Mask: Input validation criteria for the data field.

Country: The country profile for the data field.

Background Color: The background color of the data field.

Text Color: The color of text in the data field.

Font Name: The font of text in the data field.

Font Size: The font size of text in the data field.

Font Enhancement: The font enhancement of text in the data field.

5. Dialog Box

Dialog boxes let the user enter data or display warning or error messages. Dialog boxes contain child objects such as data fields, push buttons, and background text.

A dialog box is like a form window, but it cannot be resized at runtime, it does not have a menu, and it does not have minimize and maximize push buttons.

There are three types of dialog boxes: modeless, modal, and system modal.

- Modeless: A modeless dialog box does not suspend application processing. The user can switch from the dialog box to another window in the application or to a window in a different application.
- Modal: A modal (also called application modal) dialog box suspends application processing until the user closes the

dialog box. The user cannot switch from the dialog box to another window in the application. However, the user can switch to a window in a different application.

- System Modal: A system modal dialog box suspends processing of the entire system until the user closes the dialog box. The user cannot switch between the dialog box and another window in the application or to a window in a different application.

Attributes:

Object Name: The name used to refer to the dialog box.

Object Title: The name that appears on the dialog box's title bar.

Accessories: Use this cascading menu to turn off the toolbar or status bar and to set the size and position of the toolbar.

Display Style: Alters the visual appearance of child objects in the dialog box.

Default	Uses default settling.
Standard	Child objects appear two-dimensional.
Etched	Child objects appear three-dimensional.

Location and Size: Displays a cascading menu with the dialog box's position (top and left) and size (width and height).

Background Color: The background color of the dialog box.

Text Color: The color of text in the dialog box.

Font Name: The font of text in the dialog box.

Font Size: The font size of text in the dialog box.

Font Enhancement: The font enhancement of text in the dialog box.

6. Form Window

Form windows are used to enter and display data. Child objects such as data fields, push buttons, and background text are placed on a form window.

Attributes:

Object Name: The name used to refer to the form window.

Object Title: The name that appears on the form window's title bar.

Accessories: Use this cascading menu to turn off the toolbar or status bar and to set the size and position of the toolbar.

Display Style: Alters the visual appearance of child objects in the form window.

Default	Uses default settling.
Standard	Child objects appear two-dimensional.
Etched	Child objects appear three-dimensional.

Maximizable: If yes (default), the form window has a maximize button in the upper right corner. If no, the form window does not

have a maximize button and the user cannot maximize the form window.

Minimizable: If yes (default), the form window has a minimize button in the upper right corner. If no, the form window does not have a minimize button and the user cannot minimize the form window.

System Menu: If yes (default), the form window has a system menu.

Resizable: If yes (default), the user can resize the form window using sizing pointers.

Initial State: The window's state when created: Maximized, Minimized, or Normal (default).

Icon File: A file that contains an icon used when the form window is minimized. The icon file must be in *.ICO format.

Form Pages: Displays a cascading menu where you can set the page dimensions and number of pages to use when printing the form window.

Location and Size: Displays a cascading menu with the form window's position (top and left) and size (width and height).

Background Color: The background color of the form window.

Text Color: The color of text in the form window.

Font Name: The font of text in the form window.

Font Size: The font size of text in the form window.

Font Enhancement: The font enhancement of text in the form window.

Edit Window Menu: Edit menu definitions for the form window.

7. Frame

A frame is a border that surrounds an object. A frame is visual only; it does not receive mouse or keyboard input.

Attributes:

Visible: If yes (default), the frame is visible at runtime. If no, the frame is not visible at runtime.

Location and Size: Displays a cascading menu with the frame's position (top and left) and size (width and height).

Corners: The corner shape of the frame (square or round). The default is square.

Border Style: The border style of the frame (no border, solid, drop-shadow, raised-shadow, etched). The default is solid.

Border Thickness: The thickness of the border. The default is 1.

Background Color: The background color of the frame.

Border Color: The border color of the frame.

8. Group Box

A group box labels a set of related objects such as radio buttons.

You can edit the title of a group box by pressing the Shift key and clicking the right mouse button.

Attributes:

Object Title: The title of the group box. Create a mnemonic by adding an ampersand (&) before the letter that is the mnemonic.

Visible: If yes (default), the group box is visible at runtime. If no, the group box is not visible at runtime.

Location and Size: Displays a cascading menu with the group box's position (top and left) and size (width and height).

Background Color: The background color of the group box.

Text Color: The color of the group box text.

Font Name: The font of the group box text.

Font Size: The font size of the group box text.

Font Size: The font size of the group box text.

Font Enhancement: The font enhancement of the group box text.

9. Line

A line is visual only; it does not receive mouse or keyboard input.

Attributes:

Visible: When checked (the default), displays the line; when unchecked, hides the line.

Coordinates: The X and Y coordinates of the start and end of the line.

Line Style: The visual appearance of the line (solid or etched).

Line Thickness: When selected, displays the available thicknesses (1 - 8) that a line can be. The default is 1.

Line Color: When selected, displays a list of available colors for the line.

10. List Box

A list box displays a single-column list from which the user can select one or more items. A list box is read-only.

A list box can have these features:

- Single selection or multiple selection. With multiple selection, more than one item can be selected at a time.
- Vertical and horizontal scroll bar.
- Sorted items.

A single selection list box has this user interface:

- One item in the list box is always selected.
- Click an item to select it or deselect it.
- The arrow keys move the selection and scroll the list box.
- Press the PAGE UP or PAGE DOWN key to move the selection and scroll the list box.

- Press a key to scroll to an item that starts with that letter and select the item.

A multiple selection list box has this user interface:

- None, one, or more than one item in the list box can be selected at a time.
- Click an item to select it; the previous selection remains.
- Click to deselect an item.
- The space bar does the same thing as a mouse click; selects or deselects.
- The arrow keys scroll the list box without changing the selection.
- The PAGE UP or PAGE DOWN keys scrolls the list box without changing the selection.
- Press a key to scroll to an item that starts with that letter without changing selections.

Attributes:

Object Name: The name used to refer to the list box.

Visible: If yes (default), the list box is visible at runtime. If no, the list box is not visible at runtime.

Location and Size: Displays a cascading menu with the list box's position (top and left) and size (width and height).

Sorted: If yes (default), the items in the list box are sorted. The sort order (collating sequence) is determined by the Windows character set and the country setting.

Vertical Scroll: If yes (default), the list box has a vertical scroll bar on the right side when there are more entries than can fit in the list box.

Background Color: The background color of the list box.

Text Color: The color of text in the list box.

Font Name: The font of text in the list box.

Font Size: The font size of text in the list box.

Font Enhancement: The font enhancement of text in the list box.

11. Multiline Field

A multiline field accepts and displays multiple lines of data.

The user can press ENTER or CTRL+ENTER to move the cursor to the next line when entering or editing text in a multiline field.

Attributes:

Object Name: The name used to refer to the multiline field.

Visible: If yes (default), the multiline field is visible at runtime. If no, the multiline field is not visible at runtime.

Location and Size: Displays a cascading menu with the multiline field's position (top and left) and size (width and height).

Editable: If yes (default), the user can enter or edit text in the multiline field. If no, the user cannot enter or edit text in the multiline field.

Border: If yes (default), the multiline field has a border.

Word Wrap: If yes, the text in the multiline field wraps. The default is no.

Vertical Scroll: If yes (default), the multiline field has a vertical scroll bar on the right.

Background Color: The background color of the multiline field.

Text Color: The color of text in the multiline field.

Font Name: The font of text in the multiline field.

Font Size: The font size of text in the multiline field.

Font Enhancement: The font enhancement of text in the multiline field.

12. Picture

A picture displays a graphic image. A picture is a child of a form window or dialog box.

A picture object can contain:

- Graphic images
- OLE objects.
- DOS files.

Attributes:

Object Name: The name used to refer to the picture window.

Visible: If yes (default), the picture is visible at runtime. If no, the picture is not visible at runtime.

Location and Size: Displays a cascading menu with the form window's position (top and left) and size (width and height).

Editable: If no (default), the user cannot edit the object and cannot double-click it to launch an OLE server application.

If yes, the user can cut, copy, and paste the picture. If the picture contains an OLE object, the user can double-click the picture to start the object's server application. The user can shift the input focus to the picture. The focus is indicated by the focus frame.

Picture Contents: Displays a cascading menu that has editing commands.

Transparent Color: Displays a palette. The background color replaces the color you select wherever it appears in an image. This applies to bitmaps only (*.BMP).

Picture Fit: Displays options for fitting the image in the picture.

Scale: Scales the image by a specified percentage (default).

Size to Fit: Stretches or shrinks the image to fit in the picture.

Size for Best Fit: Sizes the image to fit either the width or height of the picture.

Scale Width: The scaling percentage. The default is 100.

Scale Height: The scaling percentage. The default is 100.

Tile to Parent: If yes, the picture fills the background of the parent object.

Corners: The corner shape (square or round) for the picture. The default is square.

Border Style: The border style for the picture (no border, solid, drop-shadow, raised-shadow, or etched). The default is solid.

Border Thickness: The border thickness. The default is 1.

Background Color: Displays a palette where you can set the color of the background (the area of the picture not covered by an image).

Border Color: Displays a palette where you can set the color of the picture border.

13. Picture Contents

Sub menu of the picture Customizer.

Attributes:

Paste From: This menu item displays a dialog box so you can select a file to paste into the picture with the focus.

Choose the file's name and directory from the File Name and Directories list boxes or type the full path name in the File Name data field.

You can change the type of files displayed and the drive with combo boxes at the bottom of the dialog box. You can retrieve TIFF, PCX, GIF, DIB, BMP, WMF, and ICO image file types.

File Name: Displays a dialog box where you select a file that contains an image to display in the picture. If you set the File Storage item to Internal, EditWindows copies the image file into the application. If you set the File Storage item to External, EditWindows finds and displays the image file at runtime.

File Storage: The method that EditWindows uses to store the image.

External: EditWindows reads the image from a disk file at runtime. You must distribute the external file with production versions of an application.

Internal: EditWindows copies the image from the file into the application. You do not need to distribute the external files with production versions of an application.

14. Push Button

The application performs a task when a push button is clicked.

You can edit the title of a push button by pressing the SHIFT key and clicking the right mouse button.

Attributes:

Object Name: The name used to refer to the push button.

Object Title: The title of the push button. Create a mnemonic by adding an ampersand (&) before the letter that is the mnemonic.

Visible: If yes (default), the push button is visible at runtime. If no, the push button is not visible at runtime.

Location and Size: Displays a cascading menu with the push button's position (top and left) and size (width and height).

Picture Contents: Displays a cascading menu where you enter a description, specify the name of the file that contains an image, and set the image style (single or multiple).

Push buttons can display bitmaps or icons. EditWindows must be able to find the images in external files at design time. When an application is saved, EditWindows copies the images from the external files into the application. You do not need to distribute the external files with the application.

Picture Transparent Color: Displays a palette. The background color replaces the color you select wherever it appears in an image. This applies to bitmaps only (*.BMP).

Keyboard Accelerator: The accelerator that activates the push button. The default is none.

Background Color: Displays a palette where you can set the color of the background (the area of the button not covered by an image).

Text Color: The color of text in the push button title.

Font Name: The font of text for the push button.

Font Size: The font size of text for the push button.

Font Enhancement: The font enhancement of text for the button.

15. Radio Button

When the user clicks a radio button, it turns an option on or off.

A group of radio buttons is used for mutually exclusive options. Only one radio button in a group can be on at a time.

When the user clicks a radio button in the group, the others are turned off.

The user can press the TAB key to move to a checked radio button in a group and then use the arrow keys to move the input focus to another radio button in the group.

Attributes:

Object Name: The name used to refer to the radio button.

Object Title: The title of the radio button. Create a mnemonic by adding an ampersand (&) before the letter that is the mnemonic.

Visible: If yes (default), the radio button is visible at runtime. If no, the radio button is not visible at runtime.

Location and Size: Displays a cascading menu with the radio button's position (top and left) and size (width and height).

Background Color: The background color of the radio button.

Text Color: The color of text for the radio button.

Font Name: The font of text for the radio button.

Font Size: The font size of text for the radio button.

Font Enhancement: The font enhancement of text in the button.

16. Scroll Bars

An application can have both vertical and horizontal scroll bars.

Attributes:

Object Name: The name used to refer to the scroll bar.

Visible: If yes (default), the scroll bar is visible at runtime. If no, the scroll bar is not visible at runtime.

Location and Size: Displays a cascading menu with the scroll bar's position (top and left) and size (width and height).

17. Status Bar

An application can have a status bar at the bottom of a top-level window. The status bar shows the setting of the NUM LOCK, SCROLL LOCK, and CAPS LOCK keys.

18. Tool Bar

A toolbar is a rectangular area where objects for the most frequently used functions of an application are placed.

Toolbars are defined in top-level windows. Specify the toolbar's position (top, left, right, or bottom) in the Accessories item of the top-level window's Customizer. If you place the toolbar at the top or bottom, you can adjust its height. If you place the toolbar at the left or right, you can adjust its width.

Attributes:

Display Style: Alters the appearance of child objects in the toolbar.

Default	Uses default settling.
Standard	Child objects appear two-dimensional.
Etched	Child objects appear three-dimensional.

Background Color: The background color of the toolbar.

Text Color: The color of text for the toolbar.

Font Name: The font of text for the toolbar.

Font Size: The font size of text for the toolbar.

Font Enhancement: The font enhancement of text in the toolbar.

Input Masks

An input mask validates data as a user enters it. You use an input mask to specify criteria for a value. These are the criteria that you can specify:

Alphabetic or numeric characters: If the user types a character that is invalid, the application beeps.

Uppercase or lowercase characters: The application automatically converts the character if the user enters it in the wrong case.

Constants: The application inserts a constant (such as a hyphen) in a position automatically without the user typing it.

Defining Input Masks

You can set input masks for fields. In this section, field means:

1. Combo box.
2. Data field.

You can set an input mask for any data type.

You define an input mask for a field using the Customizer.

You can use these characters in input masks:

Mask Character	Matches
X	Any character
!	Any character, uppercase
a	Alphabetic characters
A	Alphabetic characters, uppercase
9	Digits 0-9
n	Alphanumeric characters
N	Alphanumeric characters, uppercase

All other characters (including spaces) in an input mask are a constant that the application inserts automatically.

These are examples of input masks:

Example	Explanation
999-99-9999	Social Security number
(999) 999-9999	Telephone number
AA-9999	Two uppercase letters, a dash, and four numbers
99/99/99	Date

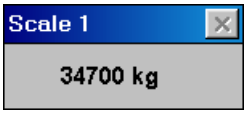
6 Configuring Communications

Setting Up Scales and Traffic Lights

You will need to configure WinBridge to communicate with the customer's scale(s). If the customer's facility uses traffic lights at a scale, you will also need to configure communications with the traffic lights.

Configure the communications setup before you install WinBridge at the customer's site. When you install WinBridge, be sure to check all scale and traffic light communications to make sure they are working properly.

A window like the one shown below will appear on the computer screen to display weight readings from each scale that is enabled.



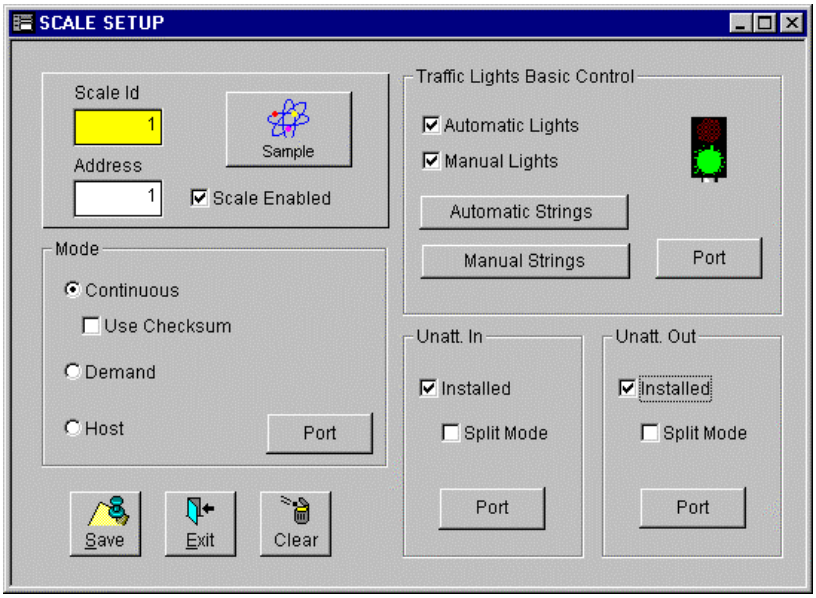
If the system is configured for continuous data transmission mode, this window will always be visible. If the system is in demand mode, the window will not be displayed. In both modes you can view the weight by clicking the **Scale** button on the Vehicle Processing screen.

You can connect two scales to one unattended driver station by using a digital switch to select which scale is being read.

Scales

WinBridge can communicate with up to four scales. Use the Configurator program to set up each scale that the customer plans to connect to the WinBridge system.

1. To set up the first scale, select **Scale1** from the **Communication** menu on the **WinBridge Configurator** screen. The **Scale Setup** form will be displayed.



2. To enable a scale, check the **Scale Enabled** box and then enter a **Scale ID** and scale **Address**. Click the **Sampling** button if you want to define a sampling operation for the scale.
3. Set the scale mode (continuous, demand, or host) by selecting one of the radio buttons. If continuous mode is selected, you can enable or disable the use of checksum. Click the **Port** button to configure a communication port.
4. Enable any traffic lights that will be used before and/or after the scale (see the next section for details about setting up traffic lights).
5. If an unattended terminal will be used, check the appropriate boxes and configure a communication port.

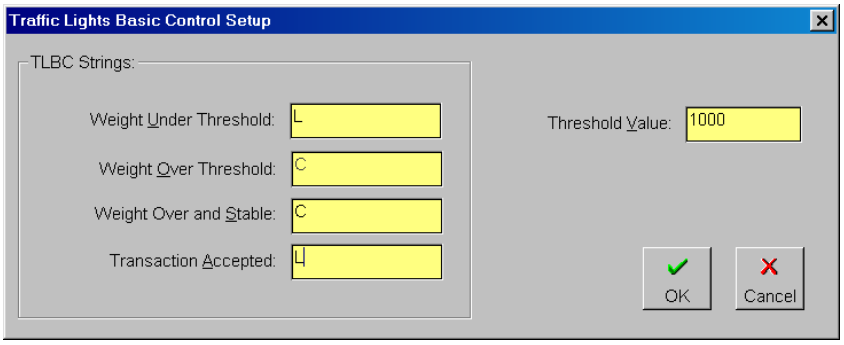
Set up any additional scales by selecting the **Scale2**, **Scale3**, and **Scale4** options and following the same procedure.

Traffic Lights

WinBridge can be configured to control traffic lights that are used with a vehicle scale. The traffic lights switch can be configured for automatic (controlled by WinBridge) or manual control. If manual control is selected, the Vehicle Processing screen will display red and green push buttons that the operator can use to switch the lights. A function key can be assigned to the button, so that pressing the function key sends the string that switches the lights. A communication port must be defined for automatic or manual control of lights.

Automatic Lights Control

Check the **Automatic Lights** box on the **Scale Setup** screen and click the **Automatic Strings** button. In the window that is displayed below, you can set a threshold weight value and enable the events that will activate the traffic lights.



The following table shows the typical settings:

State	Description	Typical Setting
Under Threshold	No truck on scale	Green (L)
Over Threshold	Truck on scale	Red (C)
Over and Stable	Truck stabilized on scale	Red (C)
Transaction Accepted	Transaction accepted	Green (L)
Threshold Value	Weight to determine if truck is on scale	1000

When a vehicle is weighed, WinBridge sends a string of characters to the traffic lights via a serial port. The system can detect four events:

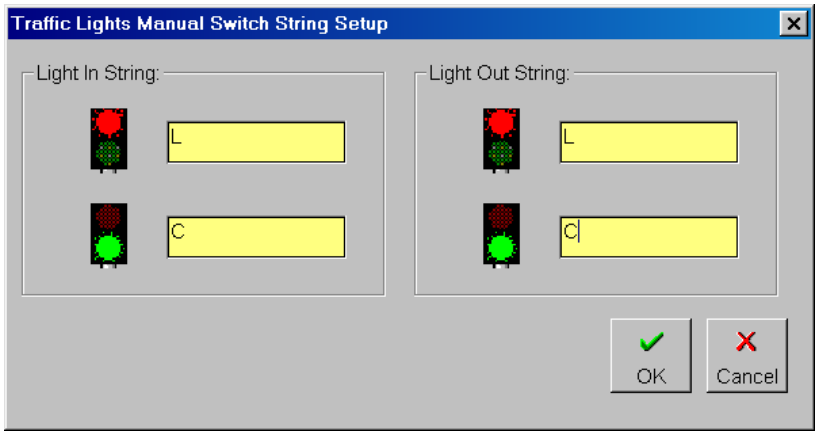
1. Under: The weight is under the threshold value (stable or not).
2. Over: The weight is over the threshold value.
3. Stable: The weight is over the threshold value and is stable.
4. Accepted: The transaction has been accepted.

Each of these events can be assigned to a different serial port.

- Communication via the serial port does not involve any communication protocols. The character strings are sent without additional control characters.
- This function does not support the split-weighing mode.

Manual Lights Control

Check the **Manual Lights** box on the **Scale Setup** screen and click the **Manual Strings** button. In the window that is displayed below, you can enter the strings for switching two sets of lights on and off.



Configure the red and green lights according to the setup at the customer's facility. Usually, red is the first two bits of the final word sent to the traffic light and green is the last two bits of the word. Information sent to the traffic light is sent in four bits, two for red and two for green (xxxxRRGG, where xxxx is configuration information). Configure the in and out light strings. If you are using the control card developed by MT-Sweden, C=red and L=green.

Indicators

You can configure WinBridge for use with a METTLER TOLEDO Jaguar®, 8530 Cougar™, Panther®, or Lynx® indicator. Indicators from Cardinal, Fairbanks, GSE, Rice Lake, Weigh-Tronix, and Western can also be used.

NOTE: The type of indicator used must match the terminal driver that was selected when you installed WinBridge software. If you change to a different type of indicator, you might need to reinstall WinBridge software and select a different terminal driver.

Jaguar Setup

Jaguar Continuous Mode Setup for WinBridge

1. Enter Setup mode on the Jaguar, and then Configure Serial.
2. Configure Port.
3. Select the Port = Local.
4. Select COM 1, 2, 3, or 4.
5. Assign Port Parameters: 9600 Baud, 7 Data Bits, Even Parity, None Flow Control.
6. Enter at Add Connection.
7. Select Serial Out.
8. Enter Scale #.
9. Select Mode = Continuous.
10. Select Status = Standard.
11. Select Checksum: Either Y or N.

8530 Cougar Setup

8530 and Cougar Continuous Mode Setup for WinBridge

Standard settings for the printer port and computer port in continuous mode are as follows:

Baud Rate = 9600

Data Bits = 7

Even Parity

Checksum Disabled

Stop Bits = 1

8530 and Cougar Demand Mode Setup for WinBridge

Use the following printer port settings for the steps listed below:

54	Disable Checksum	0 = Disable
65	Enable STX	1 = Enable
66	WT Format	0 = Single Line Display WT
67	Expanded Size Print	0 = Disable
69	Print ID	1 = Enable
72	Print CN	1 = Enable
73	Time/Date Format	0 = No Time&Date
74	Demand Output Format:	4 = ID T&D CN WT
86	Remote ASCII Input	0 = Disable

Panther Setup

Panther Continuous Mode Setup for WinBridge

1. Enter Setup mode on the Panther and then Configure Serial I/O.
2. Serial Port.
3. Select COM 1 or COM 2.
4. Assign Port Parameters: 9600 Baud, 7 Data Bits, 1 Stop Bit, Even Parity, Checksum (No).
5. Serial Data Out: Continuous.

Lynx Setup

Lynx Continuous Mode Setup for WinBridge

1. Enter Setup mode on the Lynx and then Serial Interface.
2. Port Configure.
3. Select COM 1, COM 2, or COM 3.
4. Assign Port Parameters: 9600 Baud, 7 Data Bits, 1 Stop Bit (for COM 2 and COM 3), Even Parity, No Flow Control, Checksum (No).
5. Enter at Connection prompt.
6. Select Output.
7. Mode: Continuous.
8. Format: Standard.
9. Frequency: A/D Synchronized.
10. Input: None.

Cardinal Scale Interface

The driver has been tested with the 738 indicator. The expected output from the indicator is the SB200/SB400 Scoreboard continuous output as defined in the 738 manual and the continuous output defined in the 748 manual.

The format is as follows:

<CR>,<P>,<wwwwww>,<DP>,<s>,<SP>,<uu>,<SP>,<m>,<SP>,<SP>,<ETX>

where:

CR - carriage return (0x0d)

P - polarity (SP if positive and '-' if negative)

wwwwww - weight

DP - decimal point character ('.')

s - status (SP=valid, 'm'=motion, 'e'=entry in progress, 'c'=over capacity)

SP - space character (' ')

uu - units ('lb' or 'kg')

m - mode ('g'=gross, 'n'=net)

ETX - End Of Text character (0x03)

Fairbanks Scale Interface

The driver is for Indicators transmitting the Toledo Continuous Output. It has been tested with the Cougar indicator and the Fairbanks 2500 configured to continuous output. The expected output from the indicator is the Mettler Toledo continuous output.

The format is as follows:

<STX>,<Status A>,<Status B>,<Status C>,<wwwwww>,<tttttt>,<CR>,<CKSM>

where:

STX - Start Of Text character (0x02)

Status a,b,c - Status bytes

wwwwww - Displayed weight

tttttt - Tare weight

CR - carriage return (0x0d)

cksm - Checksum for data

GSE 550 Scale Interface

The driver has been tested with the 550 indicator. The output from the indicator is programmable and must be formatted as defined in the following paragraph.

The format is as follows:

<STX>,<'Stat'>,<SP>,<s>,<wwwwwwww>,<SP>,<uu>, <SP>,<mmmmm>,<CR>,<LF>

where:

STX - start of text (0x02)

s - status (SP=valid, 'M'=motion, 'O'=over/under range)

wwwwwwww - weight with polarity

u - units ('lb' or 'kg')

mmmmm - mode ('Gross'or 'Net')

SP - space character (' ')

CR - carriage return (0x0d)

LF - line feed (0x0a)

Following is the configuration of Custom Transmit #1

P1000. Custom Transmit #1

<STX>

Status (97) Format = 0

Displayed Weight (98) Format = 0

<CR>

<LF>

The included setup file GSE550.STP configures the indicator's Com port for 9600 Baud, No Parity, 8 data bits and 1 stop bit. It also configures Custom Transmit 1 to provide the above continuous output format.

Rice Lake Scale Interface

The driver has been tested with the UMC2000 and IQ310A indicators. The expected output from the indicator is the CC (Consolidated Controls) Data Output continuous output as defined in the IQ310A manual and in the UMC2000 manual.

The format is as follows:

<STX>,<P>,<wwwwwww>,<u>,<m>,<s>,<CR>,<LF>

where:

P - polarity (SP if positive and '-' if negative)

wwwwwww - weight

u - units ('L'=LB or 'K'=KG)

m - mode ('G'=gross, 'N'=net)

s - status (SP=valid, 'M'=motion, 'I'=invalid, 'O'=over/under range)

SP - space character (' ')

CR - carriage return (0x0d)

LF - line feed character (0x0a)

NOTE: The IQ310A indicator must have the EOL DLY parameter to be set to 250ms for operation with the driver.

Western Scale Interface

This was tested on a DF-1000 at 9600,7,e,2. DF-1000 was configured for continuous output Steps 18 and 19 in the DF1000 must be correct (consult manual). The DF-1000 serial port is an optional 37 pin DB connector Transmit on pin 37 and common on Pin 20. Replace only the Winbridge WBscdll.dll with the Western Driver.

Weigh-Tronix Scale Interface

The driver has been tested with the WI-120 indicator. The WinBridge software must be configured for Demand scale. The driver sends a hex 5 to the indicator to request the demand output as defined in the following text.

The expected output from the indicator is the Printer Data Output as defined by the following configuration:

Parameter and setting

A.FF. no

A.cc. nonE

PAGE.L.=01

diS.CL.=01

diS.Ln.=01

NOTE: all other fields must be disabled.

The format is as follows:

<m>,<P>,<wwwwww>,<SP>,<uu>,<SP>,<"DS">,<SP>,<CR>,<LF>

where:

m - mode ('G'=gross, 'N'=net)

P - polarity ('+' if positive and '-' if negative)

wwwwww - weight (5 or 6 characters in length)

u - units ('lb' or 'kg')

SP - space character (' ')

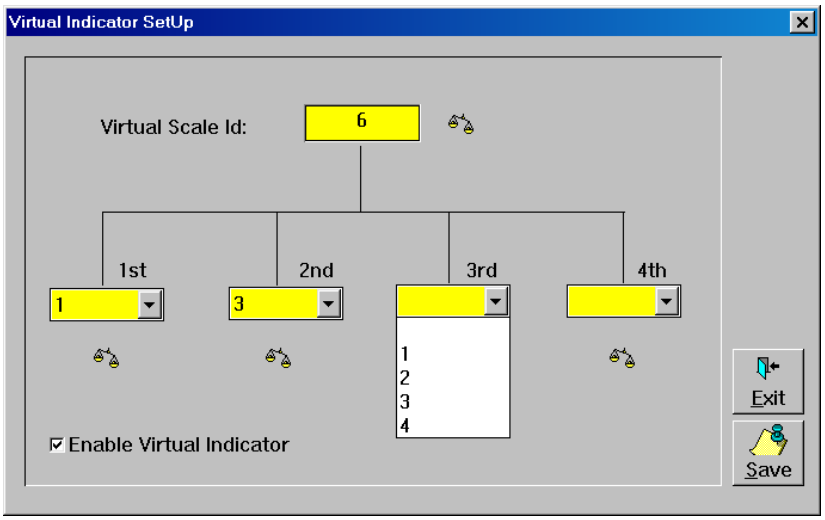
CR - carriage return (0x0d)

LF - line feed character (0x0a)

Virtual Indicator

You can configure WinBridge to process large vehicles that need to be weighed on more than one scale by setting up a virtual indicator. The virtual indicator is available only if the Advanced Module is installed. It lets you define a new indicator as the sum of two or more existing indicators. Suppose that scales 1 and 2 are enabled. You can set up the virtual indicator as scale 3, so that it displays the sum of the weight from scale 1 and scale 2. Tickets can be printed to indicate that the weight is from scale 3.

To set up a virtual indicator, select **Virtual Indicator** from the **Communication** menu on the **WinBridge Configurator** screen.

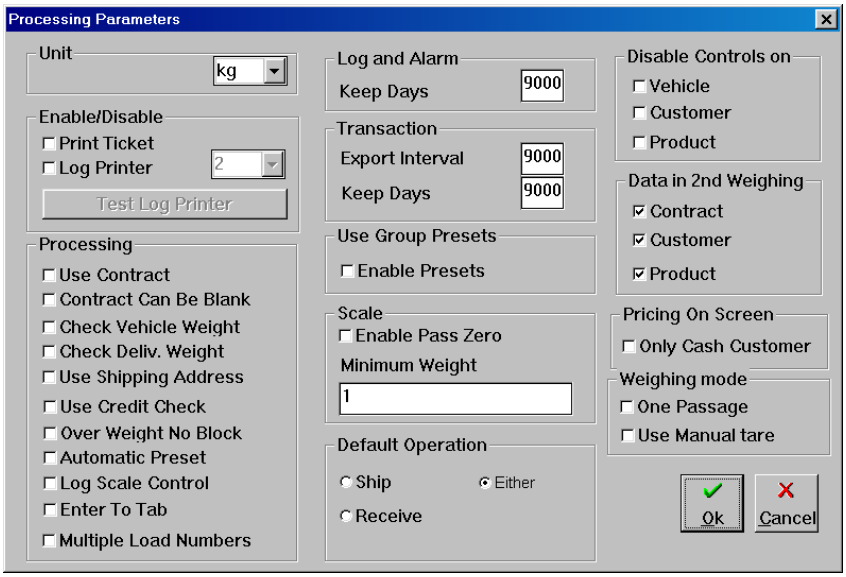


1. Check the **Enable Virtual Indicator** box on the **Virtual Indicator SetUp** form.
2. Enter a **Virtual Scale ID** number.
3. Use the **1st** combo box to select the first scale (scale number 1, 2, 3, or 4) to be summed by the virtual indicator.
4. Use the **2nd** combo box to select the second scale to be summed by the virtual indicator. The **3rd** and **4th** combo boxes can be used if you want to sum more than two scales.
5. Click **Save** to save the virtual indicator setup.

7 Configuring System Parameters

Processing Parameters

You can configure the way a customer's WinBridge system will function by setting default processing parameters. Select **Operator Mode** from the **System Parameters** menu on the **WinBridge Configurator** screen to display the **Processing Parameters** form. After the WinBridge system has been installed, the customer will be able to reset the parameters at any time.



Defining the Default Unit of Weight

Choose one of the units of measure listed in the **Unit** combo box: kg, lb, mt (metric tons).

Enabling Ticket Printing

Check the **Print Ticket** box in the **Enable/Disable** section. This will enable WinBridge to print a ticket automatically when a transaction is completed.

Logging Transactions to the Printer
Check the **Log Printer** box in the **Enable/Disable** section. When **Log Printer** is enabled, the weight captured by the scale will be sent to the log printer every time the **Accept** button is clicked. The combo box is used to select a printer port. The **Test Log Printer** push button allows you to test the ticket printer.

Enabling Contracts
Check the **Use Contract** box in the **Processing** section to enable the contract functions. A contract will then be required for every transaction unless the **Contract Can Be Blank** box is checked.

Leaving the Contract Field Blank
Check the **Contract Can Be Blank** box in the **Processing** section to allow the operator to leave the **Contract** field blank when processing a transaction. This option makes it possible to leave the **Contract** field blank without disabling **Use Contract**. It lets you use contracts for some transactions and not use them for others.

Enabling Weight Checking
Check the **Check Vehicle Weight** box in the **Processing** section to enable WinBridge to check the maximum and minimum vehicle weights stored in the vehicle table. If a vehicle is over weight, the transaction is not allowed.

Checking Delivery Weight
Check the **Check Deliv. Weight** box in the **Processing** section to enable WinBridge to check the delivery weight of a vehicle.

Enabling Shipping Addresses
Check the **Use Shipping Address** box in the **Processing** section to enable the use of shipping addresses for transactions.

Enabling Credit Check
Check the **Use Credit Check** box in the **Processing** section to enable credit checking. This will cause WinBridge to search the **Max. Credit** and **Act. Credit** fields in the **Customer** table. If the maximum credit is exceeded, then WinBridge will inform the operator and prevent the transaction from being completed until the available credit is increased.

Enabling Vehicle Blocking
Check the **Over Weight No Block** box in the **Processing** section to prevent WinBridge from blocking a transaction when the vehicle is over weight. If the box is left blank, WinBridge will check the maximum vehicle weight shown on the Vehicle Processing screen.

Enabling Automatic Presets
Check the **Automatic Preset** box in the **Processing** section to enable WinBridge to enter presets automatically in empty data fields for which presets have been defined. The Automatic Preset function works for the main tables and extended tables.

Enabling Weighings Log
Check the **Log Scale Control** box in the **Processing** section. This enables a weighings log function that automatically detects when a vehicle is on the scale and sends messages to the screen and alarms file if a regular weighing is not made. Two events can be logged: (1) a vehicle passed over the scale and no stable weight was detected and (2) a vehicle passed over the scale and a stable weight was detected (the weight is indicated).

Switching ENTER and TAB Key
When you check the **Enter To Tab** box in the **Processing** section, the ENTER key will be used instead of the TAB key to move the cursor between data fields on the Vehicle Processing screen. If this box is checked, you will not be able to use the ENTER key for any other purpose (for example, you will have to use the mouse to accept a weight). If the box is not checked, the TAB key will be used to move the cursor between data fields.

Enabling Multiple Load Numbers
Check the **Multiple Load Numbers** box in the **Processing** section. This will enable you to keep track of transactions processed for companies with load numbers assigned to them.

Editing Alarm Times
In the **Log and Alarm** section, enter the number of days that you want the system to keep a record of alarms.

Editing the Transaction Export Interval
In the **Transaction** section, specify the number of days between transaction exports and the number of days you want to keep the transactions that are stored in the database. The export option does not delete transactions from the database. It exports completed transactions to another part of the database, allowing room for the active transactions.

Enabling Group Presets
Check the **Enable Presets** box in the **Use Group Presets** section if you want to be able to use group presets.

Enabling Pass Zero
Check the **Enable Pass Zero** box in the **Scale** section. This option requires the scale to return to zero before allowing the next vehicle to be weighed. If this option is disabled, the **Minimum Weight** option is used. The **Minimum Weight** option requires that the scale reach the minimum weight that is entered in the data field (negative values are acceptable) before weighing the next vehicle.

Setting Default Operations
In the **Default Operation** section, choose a default by selecting the **Ship** or **Receive** radio button. Select **Either** if you want to be able to set the mode of operation manually for each transaction.

Disabling Database Validation
In the **Disable Controls on** section, select the fields for which you do not want database validation to be required: **Vehicle**, **Customer**, and **Product**. This will allow entries to be inserted manually at the Vehicle Processing screen.

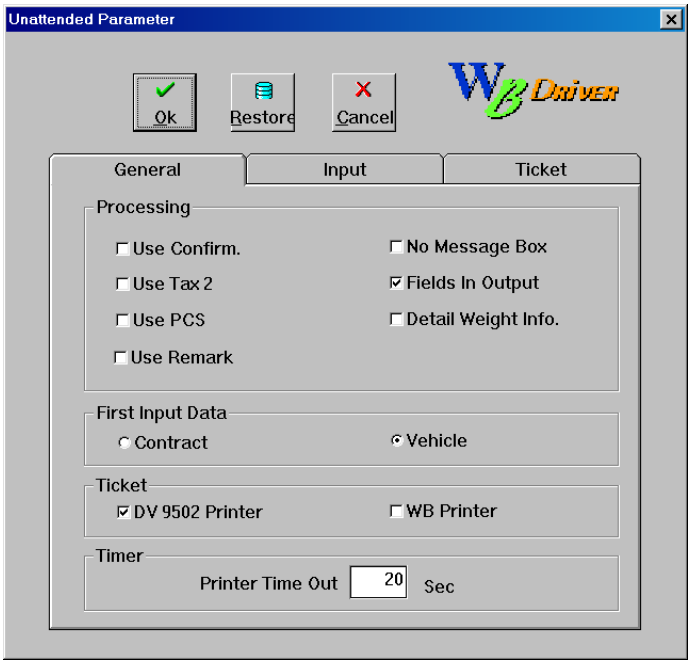
Taking Information on the Second Pass Only
By default, all vehicle, contract, customer, and product information required for two-pass weighing must be entered when a vehicle makes its first pass over the scale. You can change this so that some information can be entered on the second pass. Check the boxes in the **Data in 2nd Weighing** section that correspond to the types of information (**Contract**, **Customer**, **Product**) that you want to enter when a vehicle makes its second pass over the scale. When you process a vehicle, enter only the information required on the first pass (Vehicle information must be entered on the first pass), and then click the **Accept** button. When the vehicle returns, fill in the remaining required information, and then click the **Accept** button to complete the transaction.

Enabling Pricing on Screen
Check the **Only Cash Customer** box in the **Pricing On Screen** section to configure WinBridge to show price data on the Vehicle Processing screen only for cash customers. When this function is enabled, price data for other customers will be stored in the database but not shown on screen.

Enabling Weighing Modes
Use this section to enable the one-pass weighing modes you want to use. Checking the **One Passage** box allows WinBridge to automatically apply a stored tare weight so that a vehicle can be weighed in one pass over the scale. If there is no stored tare weight for a vehicle, WinBridge will automatically switch to two-pass weighing for the vehicle. Checking the **Use Manual tare** box allows WinBridge to weigh a vehicle in one pass over the scale by prompting the operator to enter a tare weight manually. Both boxes must be checked to allow one-pass weighing in unattended mode.

Unattended Mode

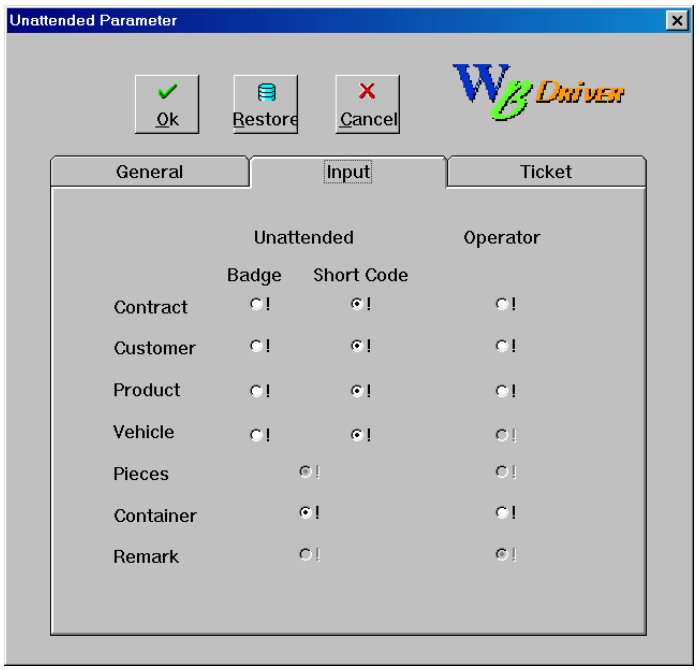
If the WinBridge Unattended Module is installed, drivers will be able to process transactions from an unattended driver terminal. To configure unattended mode parameters for a customer, select **Unattended Mode** from the **System Parameters** menu on the **WinBridge Configurator** screen. The Unattended Parameter window that is displayed contains three forms: **General**, **Input**, and **Ticket**. Use the check boxes, radio buttons, and data fields to change the default settings.



General (Unattended Mode Parameters):

- **Use Confirm:** Enables confirmation prompts so that the driver can confirm data entered at the terminal.
- **Use Tax 2:** Enables the use of a second tax.
- **Use PCS:** Enables the use of pieces and the processing of goods priced by piece.
- **Use Remark:** Enables the use of the remark table.
- **No Message Box:** All system messages will be written to an alarm file instead of being sent to the computer screen. This is useful when there is no operator at the computer.

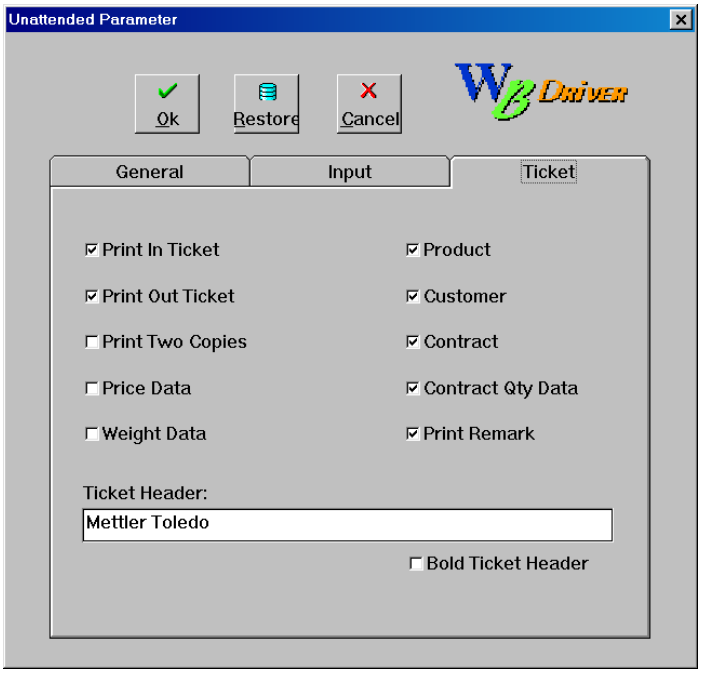
- **Fields in Output:** All data except for the first input data are entered at the second weighing.
- **Detail Weight Info:** Prints both weights when split weighing is used.
- **First Input Data:** Select **Contract** or **Vehicle** as the first data that a driver would enter at the terminal (with a badge or short code) to begin a transaction.
- **Ticket: DV 9502 Printer** prints tickets on the driver terminal's printer. **WB Printer** prints on the WinBridge printer.
- **Timer:** Enter the number of seconds for the printing time-out for the driver terminal's printer. The timer should be set to at least 20 seconds to allow the ticket to be printed completely before it is cut.



Input (Unattended Mode Parameters):

Use the radio buttons to set how each type of information will be entered. You can select only one type of input for each.

- Contract, Customer, Product, and Vehicle information can be entered by the driver (with a badge or short code) or by the operator.
- Pieces, Container, and Remark information can be entered by the driver (by selecting from a list) or by the operator.



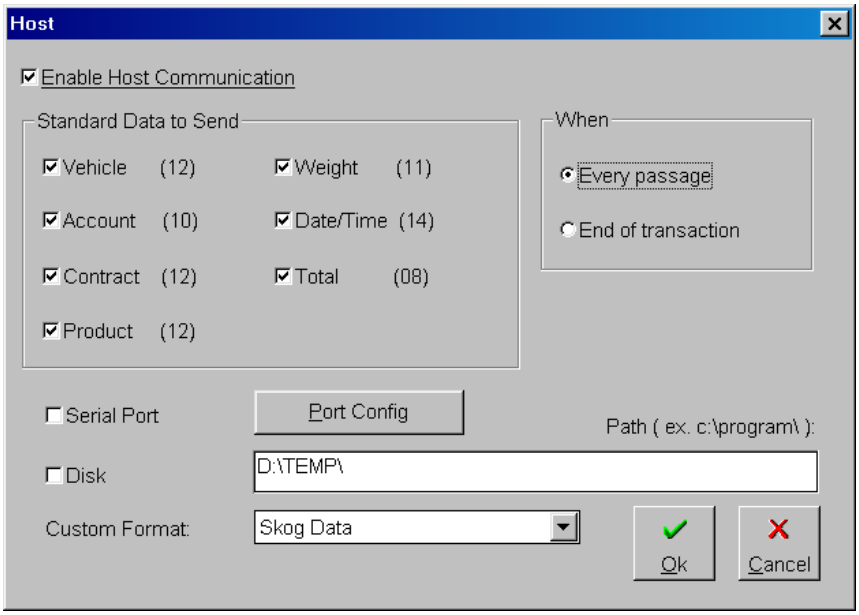
Print Ticket (Unattended Mode Parameters):

- **Print In Ticket:** Prints ticket after first weighing.
- **Print Out Ticket:** Prints ticket after second weighing.
- **Print Two Copies:** Prints two copies of a ticket.
- **Price Data:** Price data printed on ticket.
- **Weight Data:** Weight data printed on ticket.
- **Product:** Product ID and description printed on ticket.
- **Customer:** Customer ID and description printed on ticket.
- **Contract:** Contract ID printed on ticket.
- **Contract Qty Data:** Delivered quantity printed on ticket.
- **Print Remark:** Remark printed on ticket.
- **Ticket Header:** String is printed in the ticket header.
- **Bold Ticket Header:** Ticket header is printed in bold.

Unattended tickets have a set format, which cannot be changed. The only way to change the tickets is to enable or disable parameters on this screen. Unattended tickets are printed to the driver terminal and the WinBridge computer screen.

Host Configuration

You can enable WinBridge to send data for use in other programs, such as accounting software. Select **Host Config** from the **System Parameters** menu on the **WinBridge Configurator** screen to display the **Host** form. If you are entering a skog or fesil data format, you will need to open the **Tools** menu on the WinBridge Vehicle Processing screen to display the **Host** form shown below.

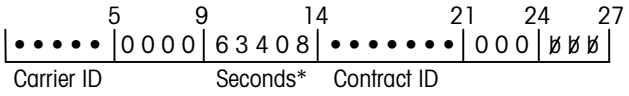


It is used to configure the string to be sent (via a serial port or file) after each completed weighing or after each single weighing. No protocol is implemented; only the ASCII characters corresponding to the selected data are sent, with a fixed length format (indicated between brackets after the field name).

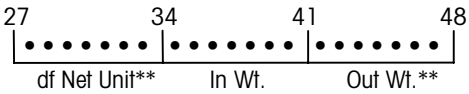
You can enable host communication, define the data to be sent, define when it should be sent, and define where to send it. If you check the **Disk** check box, the data string can also be written to a file on a local or remote hard drive. In this case you also have to specify the complete path. If a disk is used, specify the file name to meet DOS standards.

Skog Data Format

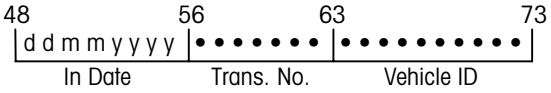
If skog data is needed for electronic interface, the following format is used:



*hr x 60 x 60 + min x 60 + sec (number of seconds since midnight)



**For inbound, replace with zeroes



Data File Name Format

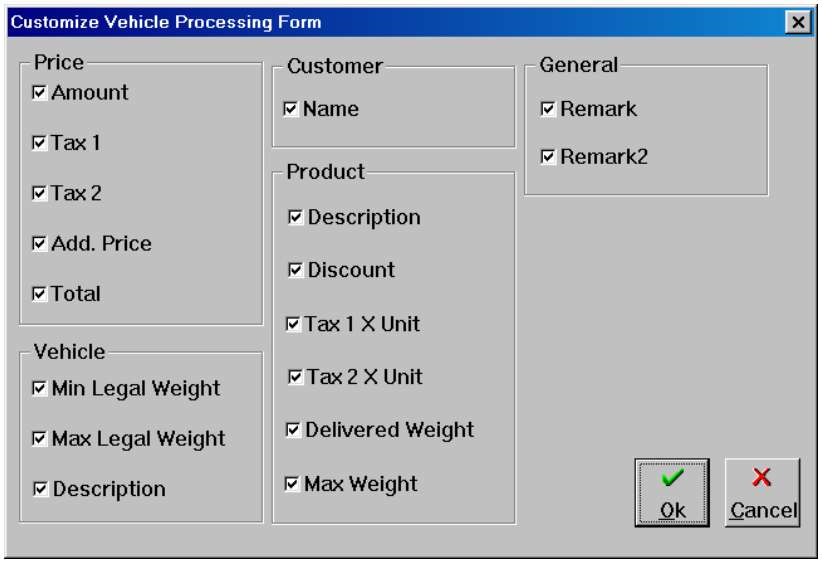
_ _ | _ _ | _ _ | _ _ .TXT
day hour min. sec.

File name for July 3, 1999 at 10:21:15

03102115.TXT

Processing Form

This form provides you with a shortcut for enabling/disabling data output fields on the Vehicle Processing screen. It lets you modify the Vehicle Processing screen without using EditWindows. To display the **Customize Vehicle Processing Form** window, select **Processing Form** from the **System Parameters** menu on the **WinBridge Configurator** screen.

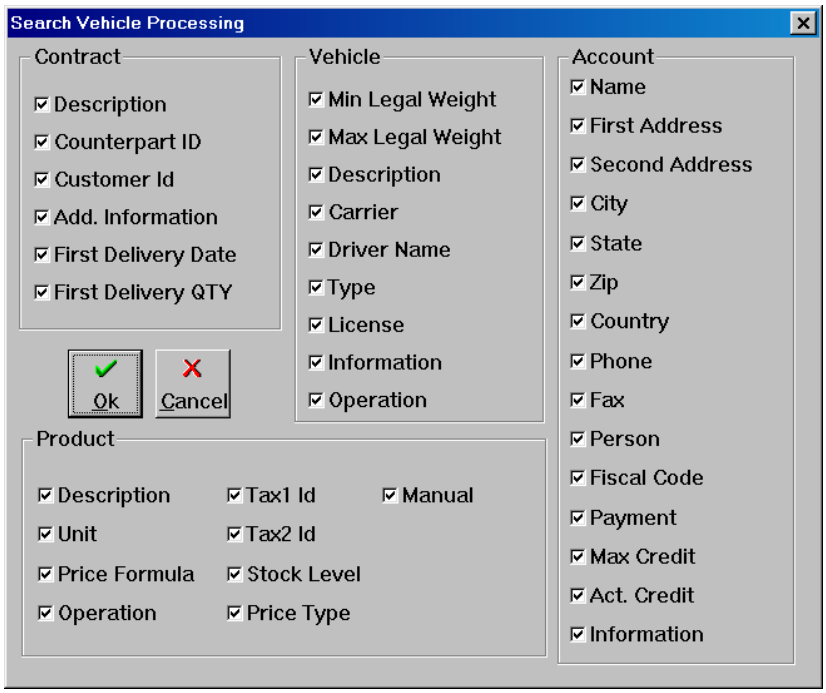


If a box is checked, the data output field corresponding to that box appears on the Vehicle Processing screen. For example, when you check the **Description** box in the **Vehicle** section, a data field that shows a vehicle's description will appear in the **Vehicle** data group on the Vehicle Processing screen. If a box is not checked, the corresponding data field will not appear on the Vehicle Processing screen.

NOTE: Checking these boxes does not affect the text used on the screen to identify the data field. You will need to use EditWindows to make the text visible or invisible.

Search Tables

You can customize the content of the tables that appear when you press the **Search** push button on the Vehicle Processing screen. Select **Search Tables** from the **System Parameters** menu on the **WinBridge Configurator** screen. The **Search Vehicle Processing** form will be displayed.

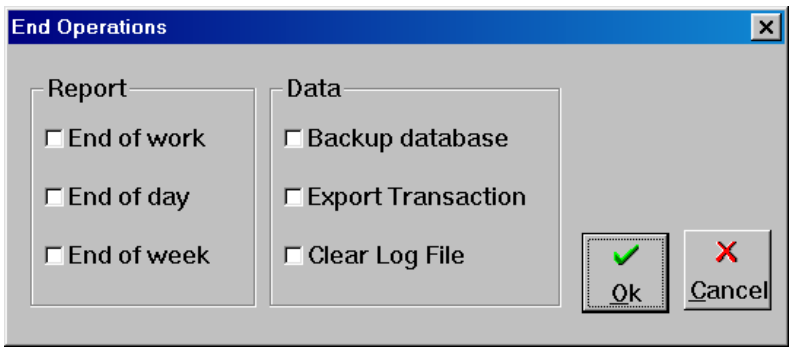


When you place the cursor in an input data field on the Vehicle Processing screen and then click the **Search** push button, WinBridge will display a table containing all the data records related to the field. For example, if you place the cursor in the Vehicle ID field and click the **Search** button, WinBridge will display all records in the **Vehicle** table. Note that not all data fields are enabled for this type of search.

Only the types of data checked on this form will appear in the table displayed when you use the **Search** button. If you remove the check mark from a box, the corresponding data will not appear when the table is displayed in response to a search command.

End of Session

You can set up some operations to be performed automatically at the end of a work session. Select **Customize Process** from the **System Parameters** menu on the **WinBridge Configurator** screen. Then select **End Operations** to display the **End Operations** form.



End of work: A report named WORKREP is executed. It includes a filter for the transactions run by the current operator.

End of day: A report named DAYREP is executed. It includes a filter for the transactions run on the current day.

End of week: A report named WEEKREP is executed. It includes a filter for the transactions run during the current week.

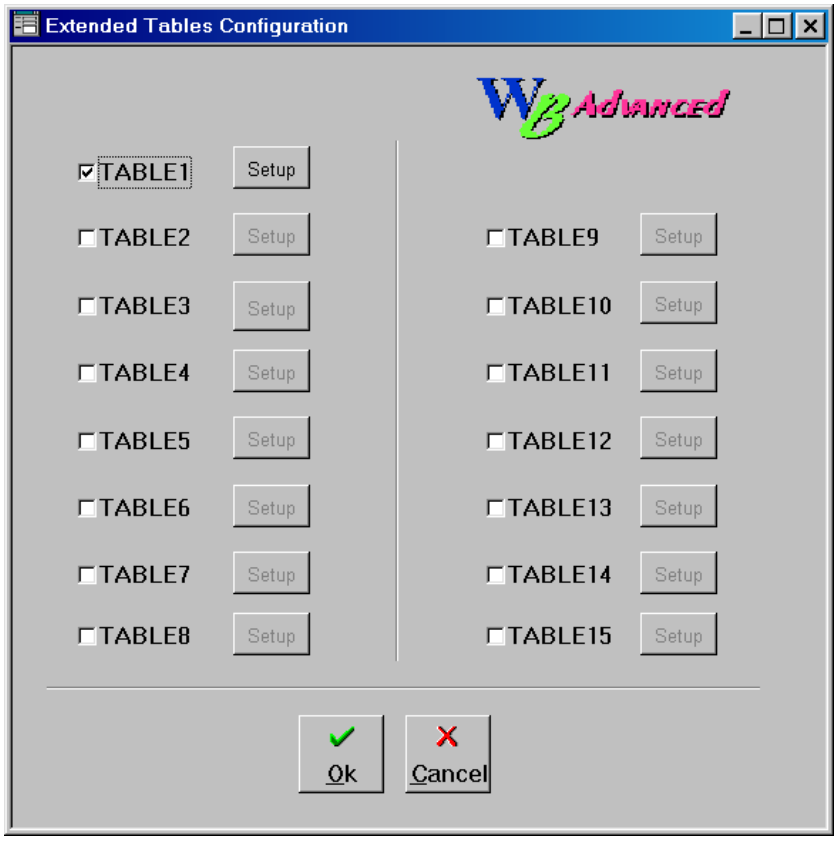
Backup Database: A start backup message will appear every time an operator logs out.

Export Transaction: A transaction export message will appear every time an operator logs out.

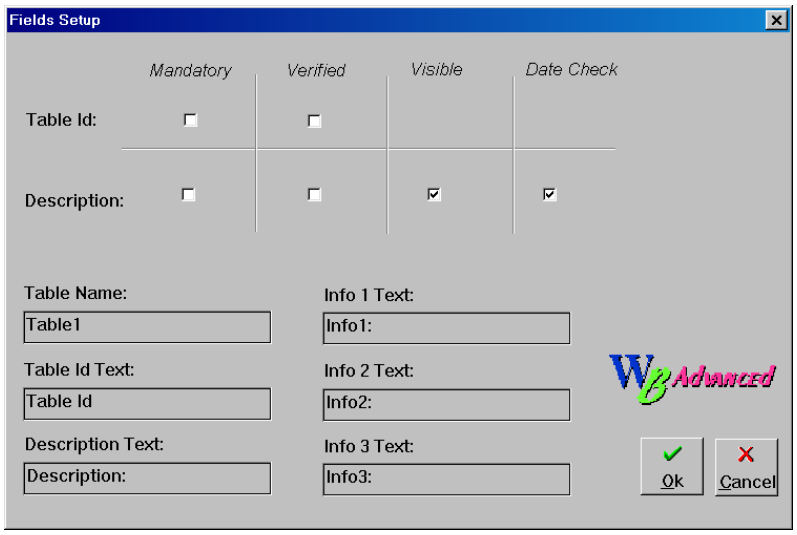
Clear Log File: The log and alarms file is erased every time an operator logs out.

Extended Tables

The WinBridge Advanced Module provides 15 additional tables that can be used to store information that does not appear in any of the standard tables. You can enable and configure any or all of the tables for the customer to use. Select **Extended Table** from the **Customization** menu on the **WinBridge Configurator** screen. The **Extended Tables Configuration** form will be displayed.



To enable one of the extended tables, check the box next to the table number. Then click the **Setup** button to display the **Fields Setup** form for the table.



If you check the **Mandatory** boxes, operators will be required to fill in the **Table ID** and **Description** data fields when they create a record in the table.

If you check the **Verified** boxes, WinBridge will verify the **Table Id** and **Description** (make sure they exist in the database) when they are entered for a transaction.

If you check the **Visible** box, the table's description will appear on the Vehicle Processing screen.

If you check the **Date Check** box, the program will check the table's expiration date. Use the **Description** field for the expiration date.

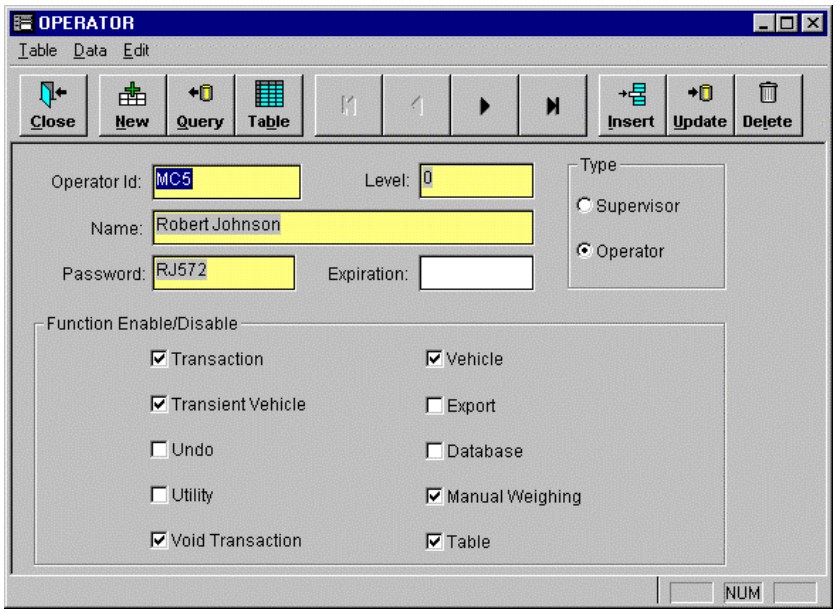
In the data fields, enter the background text that you want to appear on the Table form.

NOTE: The industry-specific WinBridge packages use extended tables for some of the data fields and text on the Vehicle Processing screen. You will need to enable those tables to get the objects to appear on the screen.

8 Setting up Operators

Operator

Each person at the customer's site who will be logging on to WinBridge and using it must be enabled as an operator. To enable an operator, select **Operator** from the **Customizer** menu on the **WinBridge Configurator** screen. The **Operator** form will be displayed.



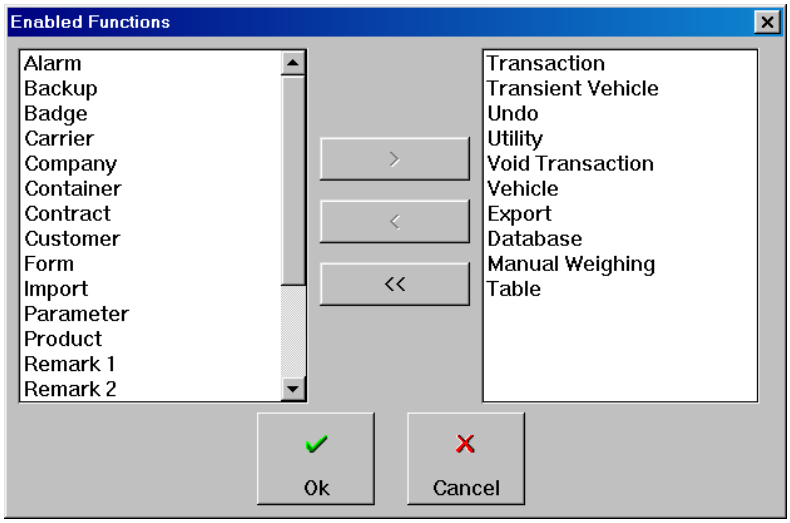
1. Enter an ID in the **Operator ID** field to create a new record, or click the **Query** button to update an existing operator or supervisor record.
2. Set up the user as a supervisor or operator by selecting the appropriate radio button in the **Type** group box. Only supervisors can change passwords or user information, so you will probably need to set up at least one supervisor.
3. Choose a level of access by typing in the appropriate number in the **Level** field (0-9, with zero providing the greatest access). The entry in this field will limit the user's level of access regardless of whether the user is set up as an operator or supervisor.
4. Enter the full name of the user in the **Name** field.

5. Enter a password in the **Password** field. We recommend giving each user a unique password. Operators cannot change their own passwords.
6. You can limit the time period for which an operator has access to the WinBridge system by entering a date in the **Expiration** field. When the user tries to log in after this date, a "Password has expired" message will appear on the screen. This effectively locks the user out of the system until a supervisor changes the expiration date.
7. If the user type has been set to **Operator**, you will need to enable the desired functions in the **Function Enable/Disable** group box. Supervisors have access to all functions by default. Check the boxes corresponding to the functions you want to enable for the operator. You can change the list of operator functions that are available to be enabled/disabled.
8. Click the **Insert** button to save the new operator/supervisor record. Or click the **Update** button to update an existing operator/supervisor record.
9. Click the **Close** button to complete this procedure.

NOTE: Be careful when enabling functions. If operators are given too little authority, they might not be able to do work. If they are given too much authority, they might be able to delete all the stored information.

Operator Functions

You can change the list of operator functions that can be enabled. Select **Function** from the **Customizer** menu on the **WinBridge Configurator** screen. The **Enabled Functions** form will be displayed.



The functions in the list box on the right will appear on the **Operator** form. Those in the list box on the left will not. Use the arrow buttons to move functions from one box to the other. Select up to 10 functions from among the 30 available functions listed below:

[100] Company (access to Company table)

[101] Product (access to Product table)

[102] Customer (access to Customer table)

[103] Contract (access to Contract table)

[104] Carrier (access to Carrier table)

[105] Vehicle (access to Vehicle table)

[106] Scale (access to Scale menu)

[107] Remark 1 (access to Remark table)

[108] Remark 2 (access to Remark 2 table)

[109] Tax (access to Tax table)

[110] Tare (access to Tare table)

[111] Badge (access to Badge table)

[112] Transient Vehicle (enables transient vehicle processing)

[113] Void Transaction (enables transaction void)

[114] Manual Weighing (enables manual weighing)

[115] Backup (allows backup operation)

[116] Database (access to database menu)

[117] Utility (access to Tools menu)

[118] Alarm (allows alarms file view)

[119] Transaction (access to Tools-Transaction Browse option)

[120] Parameter (allows processing parameters setup)

[121] Scale Weighings (allows viewing of weighings from a scale)

[122] Export (enables export function in database menu)

[123] Undo (enables Transaction Modify)

[124] Form (access to forms)

[125] Short Code (access to short code table)

[126] Import (enables import function in database menu)

[127] Table (enables access to all database tables)

[128] Report (enables access to Report Generator)

[129] Container (enables access to Container table)

Access to Tables and Menus

The following list shows how to enable access to the single tables and to the single menu rows:

TOOLS MENU

Enabled when: FUNCTION[17] OR FUNCTION[19] OR FUNCTION[20] OR FUNCTION[21] OR FUNCTION[22] OR FUNCTION[24]

Menu item: &Alarm file...

Enabled when: FUNCTION[17] OR FUNCTION[18]

Popup Menu: &Transactions...

Enabled when: FUNCTION[13] OR FUNCTION[19] OR FUNCTION[22] OR FUNCTION[23]

Menu Item: &Void...

Enabled when: FUNCTION[13] OR FUNCTION[19]

Menu Item: &Export...

Enabled when: FUNCTION[22]

Menu Item: &Modify...

Enabled when: FUNCTION[19] OR FUNCTION[23]

Menu Item: System Parameters...

Enabled when: FUNCTION[20]

Menu Item: Scale View...

Enabled when: FUNCTION[17] OR FUNCTION[21]

MENU TABLE

Enabled when: FUNCTION[0] OR FUNCTION[1] OR FUNCTION[2] OR FUNCTION[3] OR FUNCTION[4] OR FUNCTION[5] OR FUNCTION[6] OR FUNCTION[7] OR FUNCTION[9] OR FUNCTION[10] OR FUNCTION[11] OR FUNCTION[27] OR FUNCTION[29]

Menu Item: &Company...

Enabled when: FUNCTION[0] OR FUNCTION[27]

Menu Item: &Product…

Enabled when: FUNCTION[1] OR FUNCTION[27]

Menu Item: C&ustomer...

Enabled when: FUNCTION[2] OR FUNCTION[27]

Menu Item: Co&ntract…

Enabled when: bUseContract AND (FUNCTION[3] OR FUNCTION[27])

Menu Item: Ca&rrier...

Enabled when: FUNCTION[4] OR FUNCTION[27]

Menu Item: &Vehicle...

Enabled when: FUNCTION[5] OR FUNCTION[27]

Menu Item: C&ontainer...

Enabled when: FUNCTION[27] OR FUNCTION[29]

Menu Item: &Scale...

Enabled when: FUNCTION[6] OR FUNCTION[27]

Menu Item: &Operator...

Enabled when: sOpType = SUPERVISOR

Menu Item: &Remark...

Enabled when: FUNCTION[7] OR FUNCTION[27]

Menu Item: &Tax...

Enabled when: FUNCTION[9] OR FUNCTION[27]

Menu Item: Tar&e...

Enabled when: FUNCTION[10] OR FUNCTION[27]

Menu Item: &Badge...

Enabled when: FUNCTION[11] OR FUNCTION[27]

MENU SCALE

Enabled when: FUNCTION[6]

MENU REPORT/TICKET

Menu Item: &WB Report...

Enabled when: FUNCTION[28]

The information about all enabled functions is contained in the WBRIDGE.INI file, section [Operator Function].

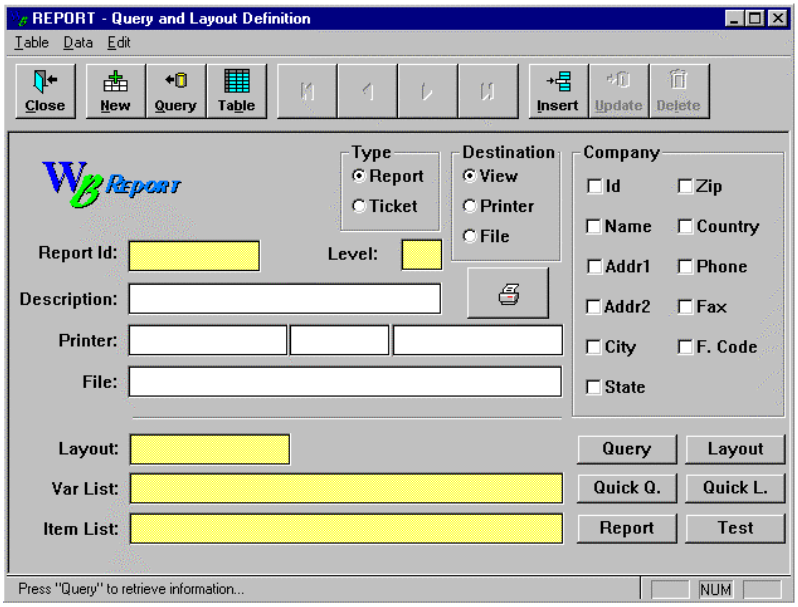
9 Creating Reports

Working with Reports

The WinBridge Report Module is an add-on software program that lets you create or customize reports and tickets. There are two steps to creating a report: (1) defining a query and (2) defining a layout.

- **Query:** A query is a request for information from the WinBridge database. When you define a query, you tell the database which information (data fields) to include in the report. A query consists of SQL statements.
- **Layout:** The layout is how the data is arranged on the report.

To create a report, select **WB Report** from the **Report/Ticket** menu on the Vehicle Processing screen. This displays the **REPORT – Query and Layout Definition** form.



For a new report, assign a report ID, fill in the other data fields, and set the radio buttons and check boxes. Then define a query and layout for the report.

Required Fields

Report ID:	The identifier for the report.
Level:	The security level assigned to the report (0-9). This corresponds to the security level assigned to each operator.
Layout:	The layout created for the report (*.qrp).
Var List:	Type of variable (date/time, string, number).
Item List:	The variable data items included in the report.

NOTE: The **Var List** and **Item List** fields will be filled in when you define a query for a report. If you edit an existing query, you will need to change the list fields manually. Each of these two fields can hold a maximum of 1,024 characters.

Optional Fields

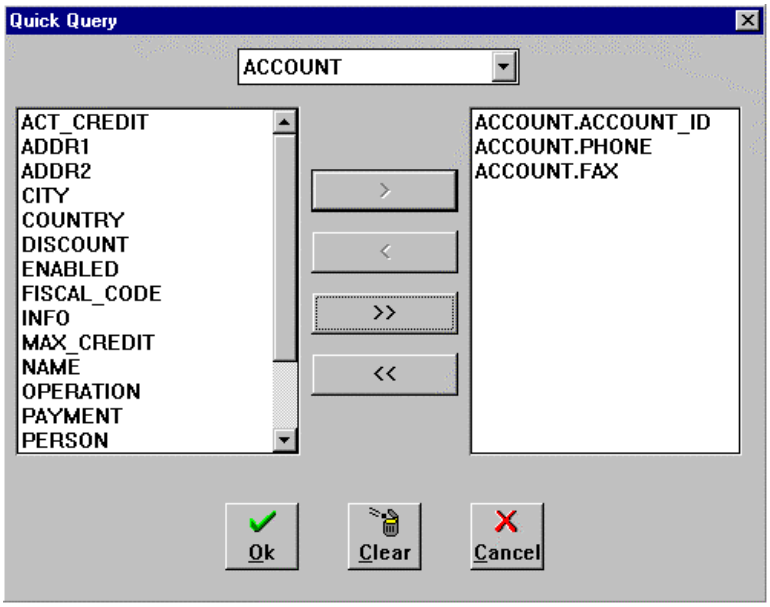
Description:	A description of the report.
Printer:	Type in the name of the printer to be used or click on the push button to the right of the field and select from a list of available printers.
File:	The file associated with the report.
Type:	Use the radio buttons to indicate whether you want to create a **Report** or a **Ticket**. A report contains general information from the database's tables. A ticket contains information about the current transaction (net weight, vehicle, etc.).
Destination:	Select **View** to display the report or ticket on a computer screen, **Printer** to print a copy on paper, or **File** to output it to a file.
Company:	Check the boxes to select which company information you want to include in the report.

Defining a Query

You can create a new query or edit an existing query. The following push buttons are used for defining queries:

This button displays the **Edit Query** form so that you can create a new query from scratch or retrieve an existing query and modify it to create a new query This procedure is described in the "Editing a Query" section of this chapter.

This button begins the Quick Query procedure, which is recommended for creating a new report. If you click this button and there is already a report with the report ID that you entered, it will be replaced by the new **Quick Query**. Clicking the **Quick Q.** button displays the form shown below.

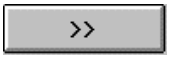


Use the combo box at the top of the form to choose the WinBridge table from which you want to select data fields. The data fields available from the table are shown in the list box on the left. Highlight each field that you want to include in the report, and use the **>** arrow button to move it to the list box on the right.

The arrow buttons are used to move items between the two list boxes:

Moves an item from the left list box to the right list box. You can also double-click on an item to move it.

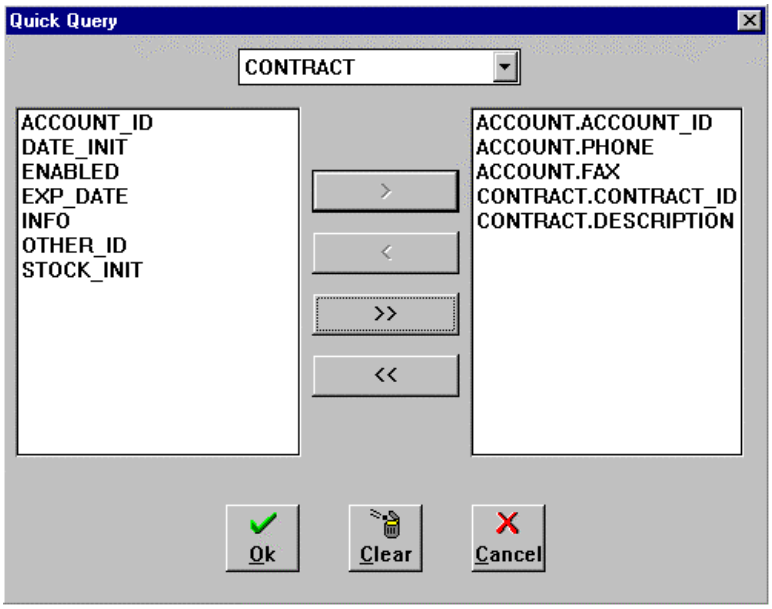
Moves an item from the right list box to the left list box. You can also double-click on an item to move it.



Moves all the items from the left list box to the right list box.

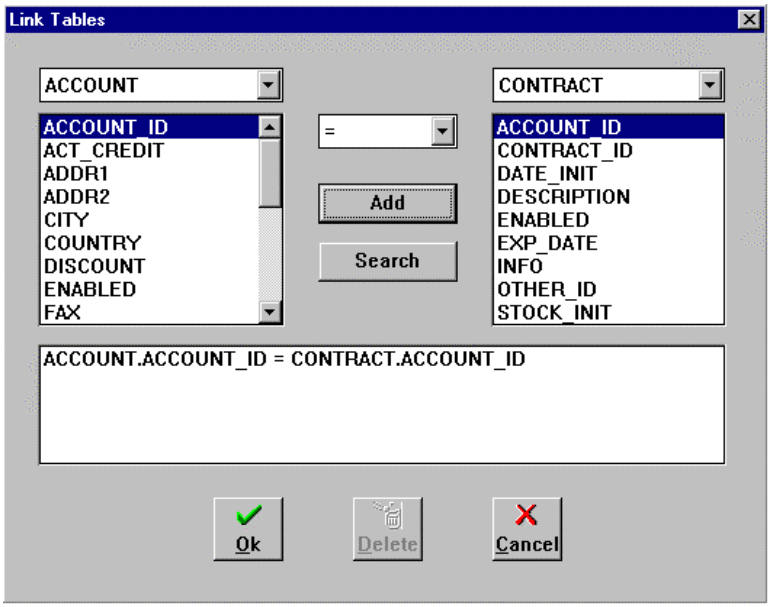
Moves all the items from the right list box to the left list box.

You can select fields from more than one table. Once you have selected the fields that you want from one table, simply use the combo box to highlight another table. Then select the desired fields from the table. In the example shown below, **Account ID**, **Phone**, and **Fax** have been selected from the **Account** table. **Contract ID** and **Description** have been selected from the **Contract** table.

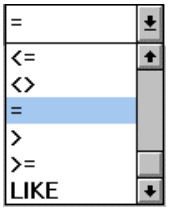


When all the data fields that you want to include in the report are displayed in the right list box, click the **OK** button to confirm the choices you have made.

If you have selected data fields from more than one table, the **Link Tables** form will appear when you click **OK**.



This form lets you create a link between the tables. Select the item on the left and the item on the right that you want to link. Then select the type of link from the list box at the center of the form. The following choices are available:

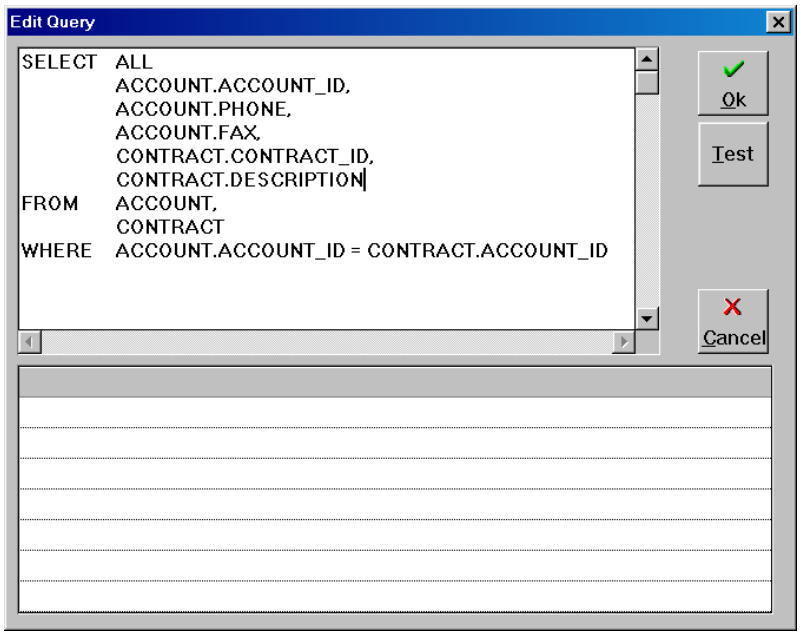


< =	Less than or equal
< >	Not equal
=	Equal
>	Greater than
> =	Greater than or equal
LIKE	Similar

When you have selected two items to be linked and the type of link, click the **Add** button. After adding all links, click the **OK** button.

NOTE: The **Search** button is used to find related items from two tables. For example, if you select the **Transaction** table and highlight the **Account ID** field and then select the **Account** table, clicking the **Search** button will highlight the **Account** table's **Account ID** field.

The following **Edit Query** form shows the query that was defined in the **Quick Query** and **Link Table** forms above.



- The **Select** statement lists the data fields that are to be included in the report.
- The **From** statement lists the tables that the data fields are from.
- The **Where** statement lists the links between the tables.

Click the **Test** push button to test the syntax of the query. If the syntax is correct, click the **OK** button.

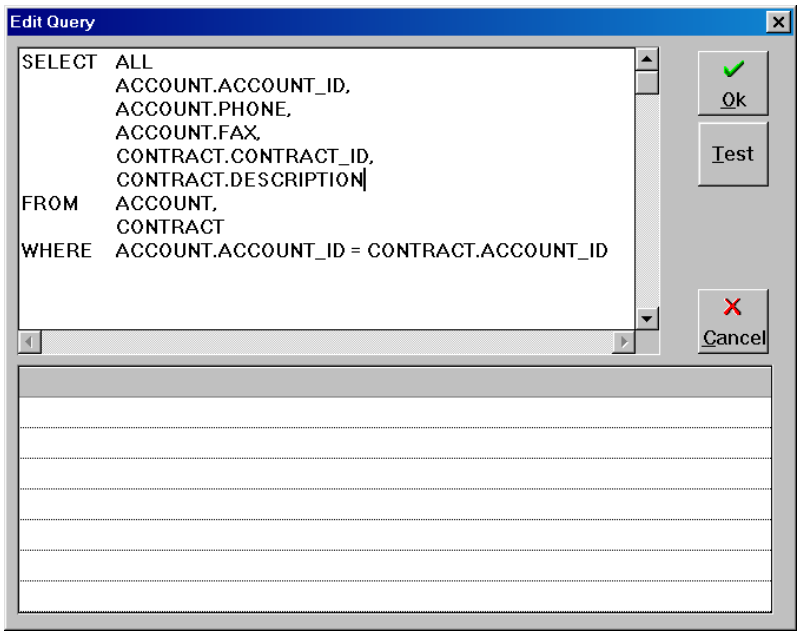
NOTE: You must test a query every time that you create or edit it.

Editing a Query

After you have defined a query with the **Quick Query** procedure, you will need to edit it manually if you want to make changes. To edit an existing query, open the **REPORT – Query and Layout Definition** form, enter the Report ID in the appropriate data field, and then click the **Query** button on the toolbar.

If you do not know the Report ID, click the **Query** button on the toolbar to display the first report in the database. Then click the **Table** button to display a table containing all existing reports. Double-click the report that you want to edit.

1. With the query displayed on the **REPORT – Query and Layout Definition** form, click the **Query** button in the lower right-hand corner of the form. This will display the query on the **Edit Query** form shown below.



2. To add a field (for example, ACCOUNT.NAME) to the query shown above, position the cursor at the end of the last line in the **Select** statement (after CONTRACT.DESCRIPTION). Type a comma, press the RETURN key, and enter the name of the field you want to add on the next line. The query should now look like this:

```
SELECT  ALL
        ACCOUNT.ACCOUNT_ID,
        ACCOUNT.PHONE,
        ACCOUNT.FAX,
        CONTRACT.CONTRACT_ID,
        CONTRACT.DESCRIPTION,
        ACCOUNT.NAME
FROM    ACCOUNT,
        CONTRACT
WHERE   ACCOUNT.ACCOUNT_ID = CONTRACT.ACCOUNT_ID
```

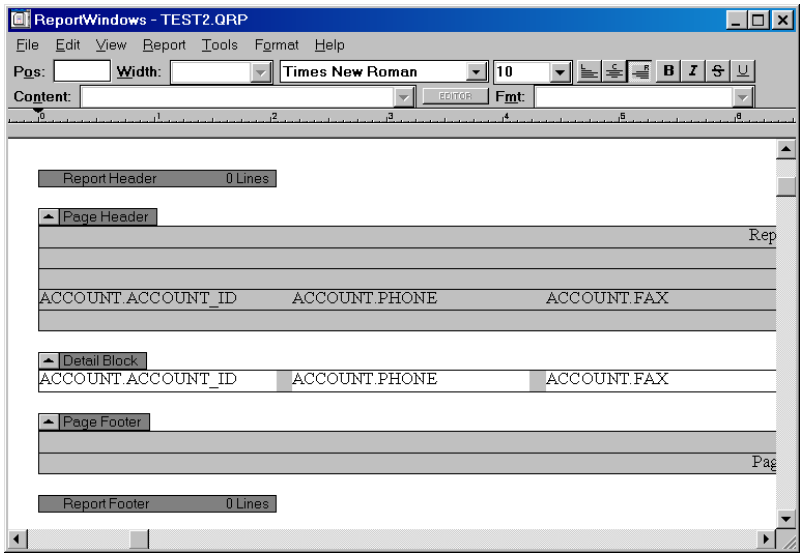
3. Click the **Test** button to test the revised query, and then click the **OK** button.
4. Position the cursor at the end of the **Var List** field on the **REPORT – Query and Layout Definition** form. Add a comma, and type the variable for the item that you added to the query. The variable type can be **S** for string, **N** for number, and **D** for date/time (for example, S[5] means that you are adding a string field and that is the fifth string field in the query). Since ACCOUNT.NAME is a string, change the **Var List** as shown:

   change S[0],S[1],S[2],S[3],S[4]

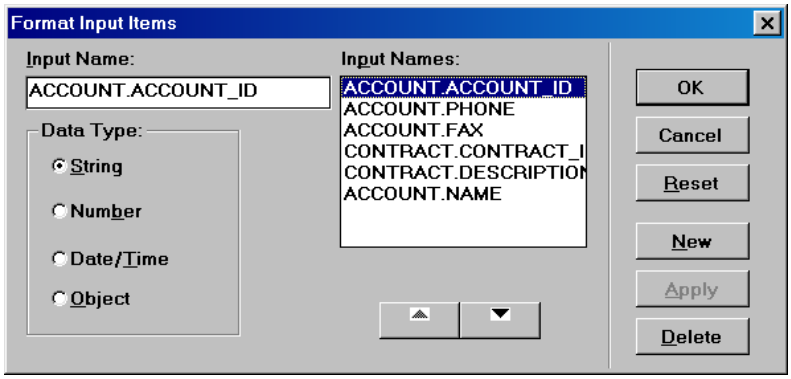
   to S[0],S[1],S[2],S[3],S[4],S[5]
5. Position the cursor at the end of the **Item List** field. Add a comma, and type the field name (ACCOUNT.NAME).

NOTE: You can use the END key to move the cursor to the end of the **Var List** or **Item List** field.

6. Click the **Layout** button to display the report layout. Whenever you modify a report, you must also modify its layout.



7. Open the **Format** menu on the menu bar and select **Input** and then **Input Items**. The name of the new field should appear at the end of the list of **Input Names**. Specify the **Data Type** (String, Number, or Date/Time), and then click **OK**.



8. The new field should appear on the layout (you will need to use the scroll bars to view the entire layout). You can use the field tool from the tool palette to add a field to the layout. Then click the down arrow to open the **Content** list box and select an item to place in the field.
9. Now you can test the report to make sure it is correct.

NOTE: When you modify a report, you must also modify its layout.

Reports with Dynamic Variables

When you edit a query, you can add dynamic variables (a WHERE statement with variables). You can define as many as 12 dynamic variables. The names of the variables must satisfy the following syntactic rules:

String variables	:sN
Numeric variables	:nN
Date/Time variables	:dN

N represents a number from 1 to 9.

Adding Dynamic Variables

1. In the **Edit Query** form, add the word AND at the end of the last line of the WHERE statement, and then press the RETURN key.
2. Type the table name, a period, and then the field name.
3. Type one of the relations (=, !=, >, !>, <, !<, >=, or <=).
4. Then type the name of the variable (for example, :s1).
5. Repeat steps 1 to 4 for each variable you want to add.

When you click **Test** for a query with variables, WinBridge prompts you to insert the description for the variables by showing an appropriate window (for example, you can enter IDENTIFIER for a string variable). After you have inserted the description, click **OK**. Then click **OK** again to exit from the **Edit Query** form. Once you have closed the **Edit Query** form, you must update the database with the modified report. You can do that by clicking the **Update** push button on the **REPORT – Query and Layout Definition** form.

To view the report produced by the dynamic query, click the **Report** push button. Select the report from the window that is displayed. After you select it, WinBridge will prompt you to insert the values for the input variables in the dynamic query (For example, if you included an in date and out date in the query, you will be asked to enter the specific dates you want to use). Click **OK** to confirm the values. If you do not specify any value for a dynamic variable when you run a report, no filtering will be used based on that variable.

Defining a Layout

The layout is the second step in creating a report. To define a layout, click the **Layout** push button on the **REPORT – Query and Layout Definition** form.

The **Layout** button opens ReportWindows so that you can create a new layout or modify an existing layout. Refer to the SQLWindows *ReportWindows User's Guide* for instructions about how to use ReportWindows. The resulting layout is the same as that obtained by clicking the **Quick L.** button when you create a new query.

The **Quick L.** (Quick Layout) button opens ReportWindows and creates a default layout that corresponds to the current query. We recommend using this button when you first create a new query. If you do a quick layout on an existing layout, it will be overwritten.

You can insert variables (for data from the **Company** table) in a report. Instructions for inserting variables are available in the *ReportWindows User's Guide*.

You can use data fields from the **Company** table without including them in the query. From the layout, open the **Format** menu, select **Input** and **Variables**, and then type in the following names:

sCId	Company ID
sCName	Company name
sCAddr1	Address 1
sCAddr2	Address 2
sCCity	City
sCState	State
sCZip	Postal code
sCCountry	Country
sCPhone	Phone number
sCFax	Fax number
sCFCode	Tax number

All variables are string type.

You can then define and place the data fields in the report layout and save it.

To be able to see the variables in a report's layout, you must activate them by checking the boxes in the **Company** section of the **REPORT – Query and Layout Definition** form.

When you create reports with dynamic conditions, you must insert the variables in the layout. Open the **Format** menu and select **Input** and **Variables**, and then add the names of the variables and the necessary data fields.

The final two buttons on the **REPORT – Query and Layout Definition** form are the **Report** and **Test** buttons.

Clicking the **Report** button displays the same form that appears when you select **Print Report** from the **Report/Ticket** menu.

Clicking the **Test** button checks to make sure the query and layout are syntactically compatible. If they are compatible, a blank ticket will appear; if not, an error message will appear.

Using Empty Fields in a Report

If one or more fields present in the query was not filled in on the current transaction, the ticket printout will be blank. For example: you want the **Carrier Name** printed on the ticket, but no carrier was defined for the vehicle used in the current transaction. When the query searches for the **Carrier Name** and finds nothing, the whole query is left empty. This is true for all the fields in the database except the following ones:

Vehicle ID: Since the vehicle can be transient (not present in the database), you can define a so-called "outer join." To do that you have to add (**+**) to the WHERE statement of the query: TRANSACTION.VEHICLE_ID = VEHICLE.VEHICLE_ID (**+**). If you do that, the ticket will be printed even when the Vehicle ID is blank.

Container ID: When the container description is required on a ticket, the ticket printout will be blank if a non-container vehicle is selected. In order to avoid printing a blank ticket, insert a record with three asterisks (***) as the Container ID in the Container table. This record will automatically be used when the Container field is blank.

Contract ID: In the Contract table, insert a record with a plus sign (+) as the Contract ID. This record will automatically be used when the Contract field is blank.

Contract ID, Customer ID, Ship Addr ID, Product ID: If one of these items is entered in second weighing, at the moment the inbound ticket is being printed, the ticket will be blank. In order to avoid printing a blank ticket, insert a record with an asterisk (*) as the ID in each of the above tables. This record will automatically be used when the ID field is blank.

It is not possible to apply the above conditions to any other field in the database. Every other field in the database must filled in at the time of the printout.

How to Give a Customer a New Report

Use the following procedure to create a new report and transfer it to another computer:

1. Generate the new report on a computer and test it.
2. Define a report query and report layout (for example: LAYOUT.QRP).
3. Choose the **Database-Export** menu item in WinBridge.
4. Export the tables named REPORT and REPORT_DETAIL.
5. The system will generate two files for each table:

   For example: REPORT.EXP and REP_DET.EXP
   REPORT.DAT REP_DET.DAT
6. Copy the following files to a computer disk, and then copy them from the disk to the customer's computer:

REPORT.EXP to	C:\WBRIDGE
REPORT.DAT	C:\WBRIDGE
REPDET.EXP	C:\WBRIDGE
REPDET.DAT	C:\WBRIDGE
LAYOUT.QRP	C:\WBRIDGE
7. Start WinBridge on the new computer.
8. Choose the **Database-Import** menu item in WinBridge and import the REPORT.EXP and REPDET.EXP files, using the default data files with extension *.dat.

Printing Gross, Net, and Tare Calculations

In order to have the Gross, Net, and Tare print on tickets rather than simply inbound/outbound weights, place the following formulas on the layout of the ticket.

On the Layout screen, select the field that you would like to represent the Gross and type in the following formula:

NumberIFF((TRANSACTION.IN_WEIGHT – TRANSACTION.OUT_WEIGHT), TRANSACTION.OUT_WEIGHT, 0, TRANSACTION.IN_WEIGHT)

On the Layout screen, select the field that you would like to represent the Tare and type in the following formula:

NumberIFF((TRANSACTION.IN_WEIGHT – TRANSACTION.OUT_WEIGHT), TRANSACTION.IN_WEIGHT, 0, TRANSACTION.OUT_WEIGHT)

For the Net calculation, type the following:

TRANSACTION.NET_WEIGHT

Using Spare Fields for Calculations

To use a spare field from the configuration screen for calculations on reports or tickets, follow the guidelines below. For this example, we are using a Spare1 field to make further pricing calculations in conjunction with the existing price fields. The first thing you need to do is to name the Spare1 field as a numerical string.

1. On the **REPORT – Query and Layout Definition** form, press the **Query** button in the lower right-hand corner of the form. Position the cursor at the end of the last line of the SELECT ALL statement, type a comma, and then type @VALUE(TRANSACTION.SPARE1)AS P1. The P1 can be any name that notifies you what the name of the field is.
2. Click **Test** and then **OK**.
3. Return to the **REPORT – Query and Layout Definition** form and place the cursor at the end of the **Var List** field. Type N[#], which is a numerical variable. Be sure to use the next consecutive number in place of the # sign.
4. Then place the cursor at the end of the **Item List**. Type in the P1 or whatever name you gave this variable in the query.

NOTE: The variable must be placed at the same position in the Variable List and Item List.

5. Once you have completed these steps, go to the Layout screen and select **Format** and then **Input Items**.
6. Type the name of the variable (for example, P1) and select **New**.
7. Click **Close**.
8. Use the field tool to place a new field on your ticket/report.
9. Select this new field and click the **Editor** button. Then select the name of the variable (for example, P1).
10. Now you are able to provide other fields that can use this variable in calculations because the system understands it as a numerical variable.

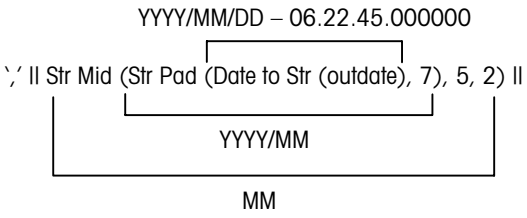
Printing Duplicate Tickets

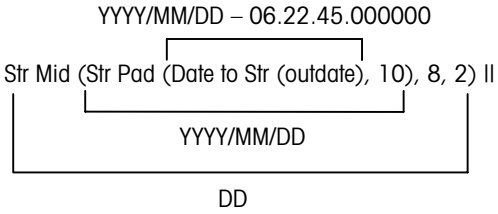
In order to print duplicate tickets, you will need to include the variable sDuplicate on the ticket. This places the word *duplicate* on all duplicate tickets that are printed. A duplicate ticket will not print unless this variable is on the ticket to satisfy Weights & Measures requirements and protect against fraud. To place this variable on the ticket, go to **Format**, **Input Items**, type *sDuplicate,* select **New**, and then click **OK**.

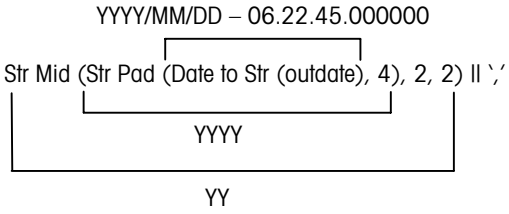
Once you have placed this as an input item, you can create a field using the field tool. Then with the field selected, click the **Editor** button. Select the sDuplicate variable from the list and then click **OK**. Now you will be able to print this ticket as a duplicate ticket from the Vehicle Processing screen.

Using Dates in Reports

The following example can be used to insert an MM/DD/YY date format in a comma delimited report.







ll is a concatenation character (Shift+F7 x 2)

Separating Time and Date in a Report

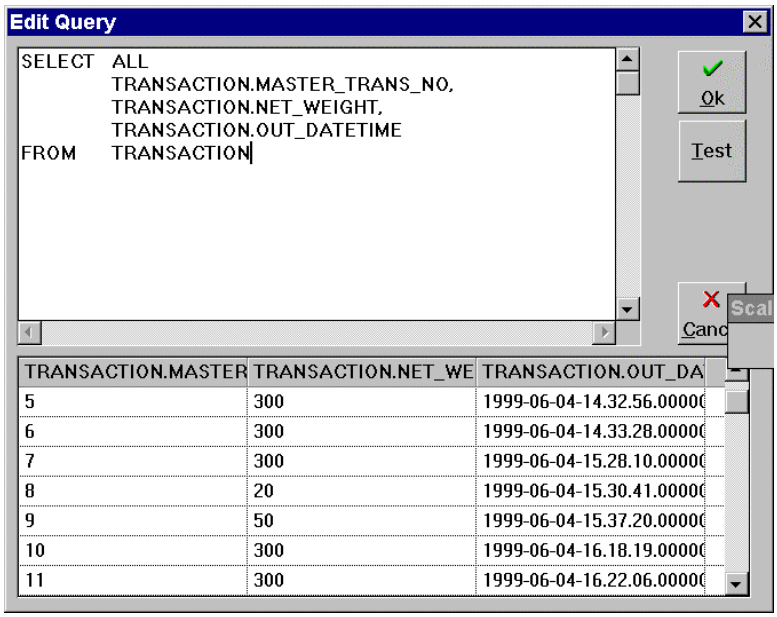
WinBridge uses a Time and Date format to record information. If you need to separate the time from the date, use one of the following methods for extracting the Date or the Time from the DATETIME format:

1. Create a Break Group Report, which can produce daily subtotals for each day of the month.
2. Change the format of the DATETIME string on a report.

Method 1: Modify the Query that Supports the Report

The following procedure describes the method for creating two new variables, one containing only the Date and one containing only the Time. This procedure can be used on any existing report.

1. From the **Query and Layout Definition** screen, select the report you wish to modify and press the **Query** button. Here is how the query of this sample report looks before modifications:

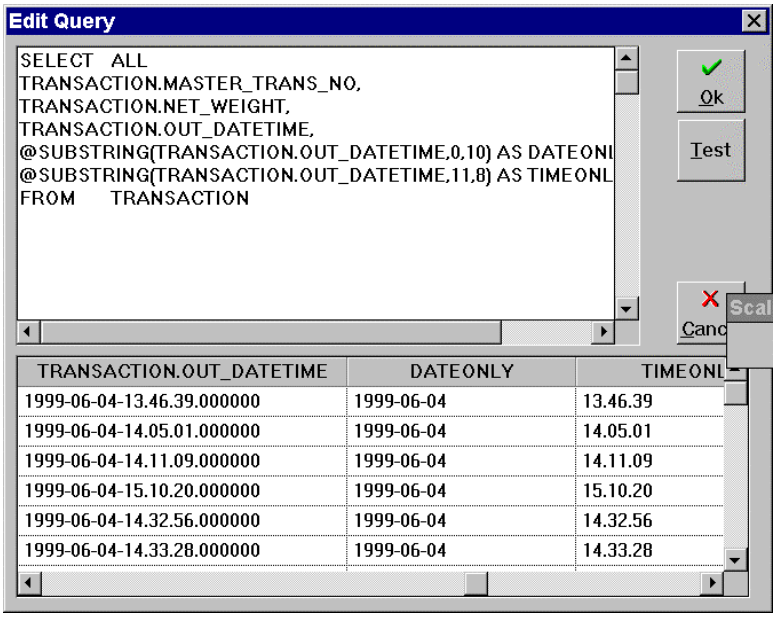


2. Modify the query by adding two new lines that read TRANSACTION.OUT_DATETIME (remember that you must have a comma at the end of each line of the SELECT area except the last one). The query should now contain three lines that read TRANSACTION.OUT_DATETIME. Modify each of these lines to look like this:

@SUBSTRING(TRANSACTION.OUT_DATETIME,0,10) AS DATEONLY

@SUBSTRING(TRANSACTION.OUT_DATETIME,11,8) AS TIMEONLY

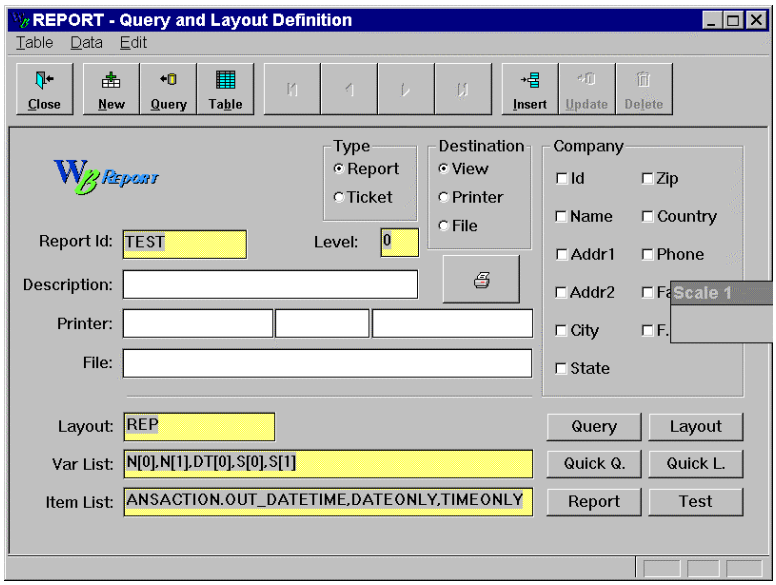
The @SUBSTRING function extracts a part of the string. In effect you are taking the DATE out of the DATETIME string. The AS operator creates a new variable named DATEONLY, and this is where the result of the date extract is stored. Use the **Test** button to see the results.



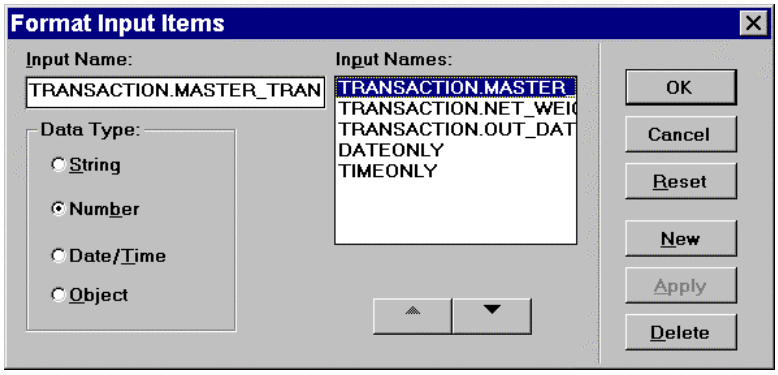
3. A new query is created. On the **Query and Layout Definition** screen, modify the ITEM list and VAR list to reflect the addition of the two new variables: DATEONLY and TIMEONLY. These variables are string variables.

Add DATEONLY, TIMEONLY to the Item List.

Add S[0], S[1] to the Var List.

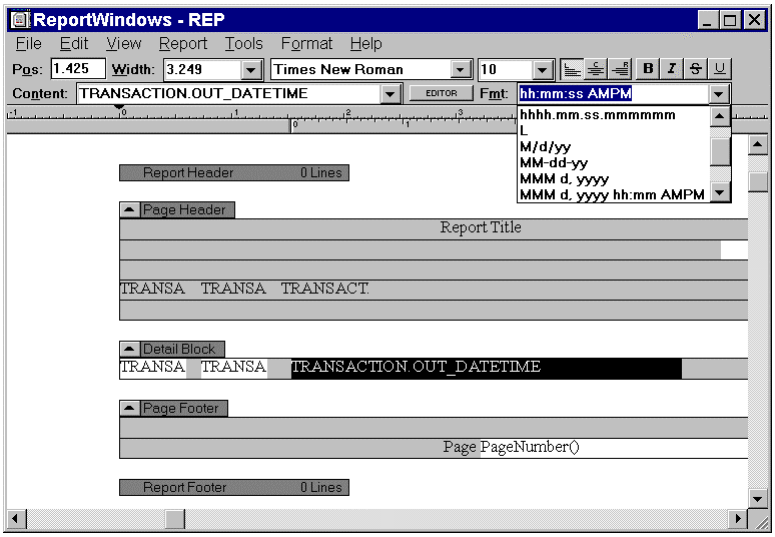


4. The new items must be included within ReportWindows.



Method 2: Modify the DATETIME VAR within the Report

The report layout shown below includes the usual DATETIME variable on the report. Highlight the DATETIME field and select the **Fmt** list box. Select the desired format from the list.



10 Report Writer Tutorial

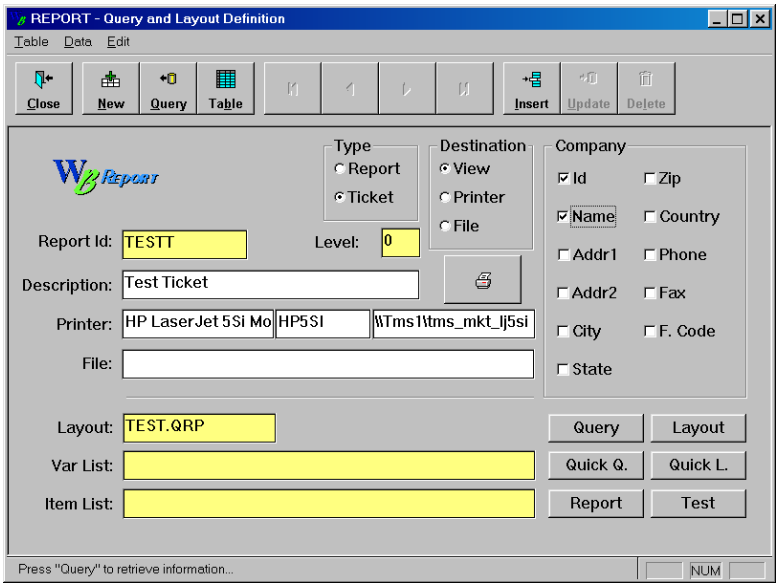
Generating a Ticket

Open the WinBridge **REPORT – Query and Layout Definition** form by selecting **WB Report** from the **Report/Ticket** menu on the Vehicle Processing screen. Enter the following information in the data fields:

Report ID: TESTT
Level: 0
Description: Test Ticket
Printer: (Press the Printer button and select from the list)
File: (Leave blank)
Layout: TESTT.QRP
Var List: (Leave blank)
Item List: (Leave blank)

Type: Select the **Ticket** radio button
Destination: Select the **View** radio button
Company: Check the **Id** and **Name** boxes

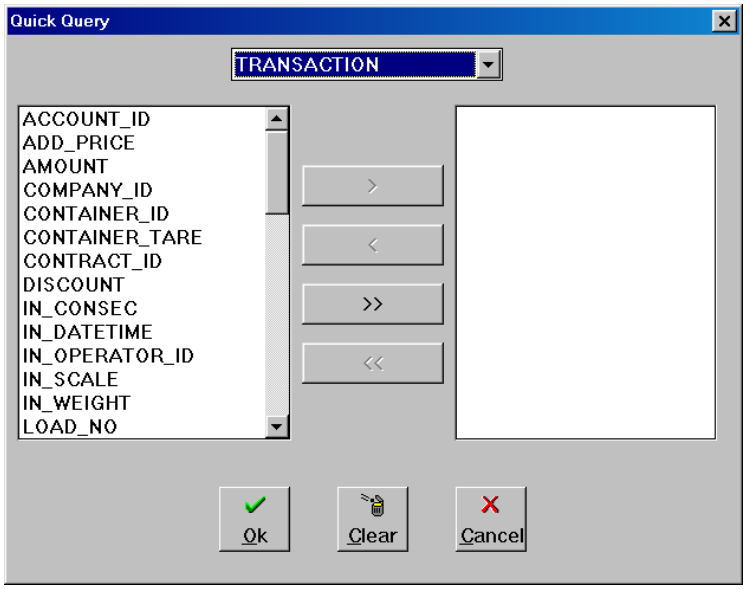
Your screen should look like the one shown below:



Defining the Query

A query provides the Report Writer with all of the information about a transaction that is used to print a ticket. Since a ticket is produced for each transaction, the **Transaction** table is the main source of information used to generate tickets.

1. To begin a query, click the **Quick Q.** button on the form that you just filled in. The **Quick Query** form will appear. You should use this button only when you first create a query because it will write over any existing query.



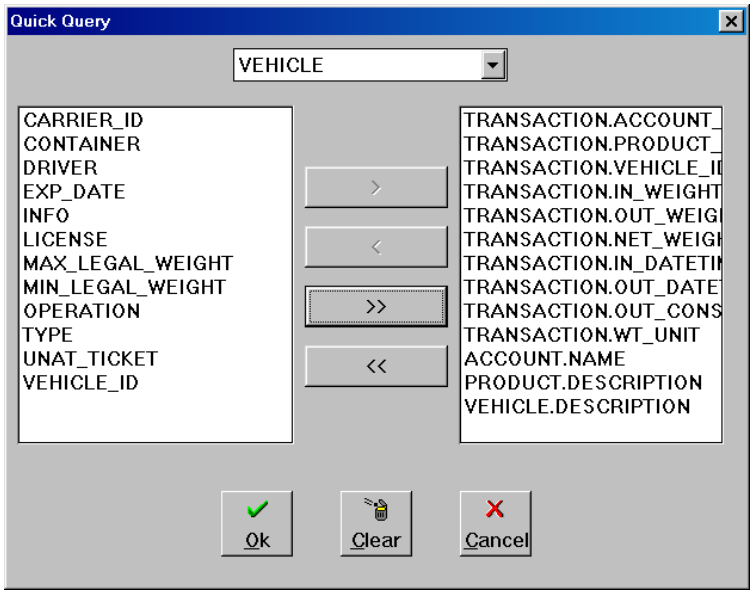
2. Select **Transaction** from the combo box at the top of the form. The list box on the left displays the transaction data that is available. The list box on the right displays the data to be included in the report.
3. Select the following transaction data items from the list box on the left and move them to the list box on the right:

   Account ID
   Product ID
   Vehicle ID
   In Weight
   Out Weight
   Net Weight
   In DateTime
   Out DateTime

Out Consecutive
Wt Unit

To move an item to the box on the right, highlight it and click the **>** arrow button.

4. Change the combo box to **Account** and select **Name**.
5. Change the combo box to **Product** and select **Description**.
6. Change the combo box to **Vehicle** and select **Description**.
7. When the form looks like the one shown below, click **OK**.

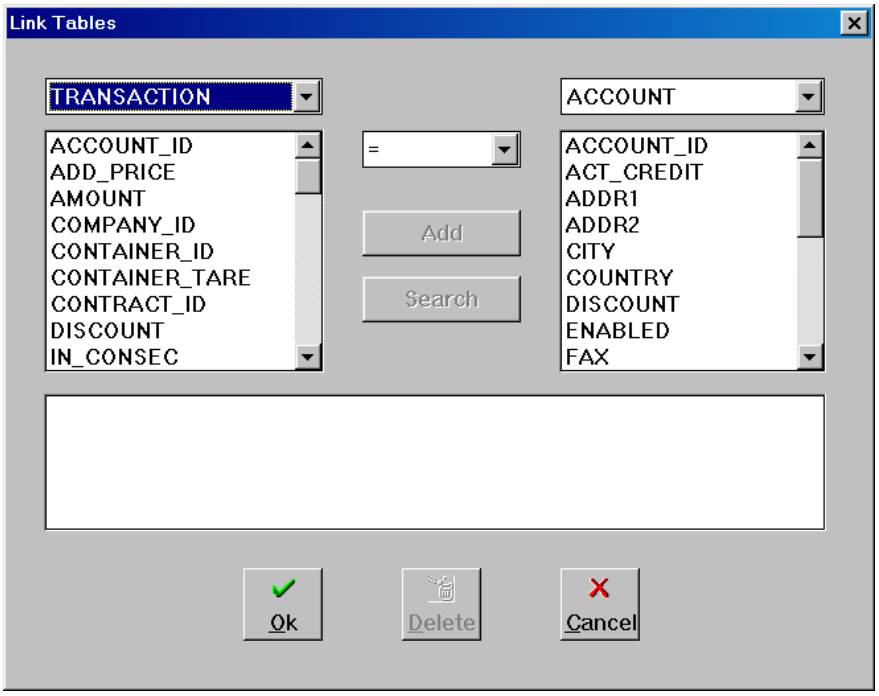


Since your query includes items from several tables (the **Transaction**, **Account**, **Product**, and **Vehicle** tables), you will need to link those tables.

Linking Tables

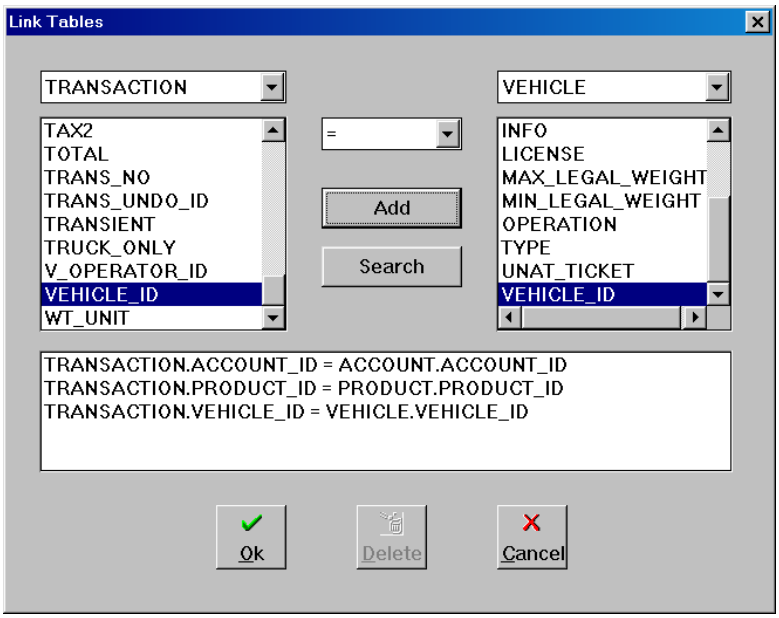
Report Writer searches the **Transaction** table for information about a specific transaction that you want to include on a ticket. By linking other tables to the **Transaction** table, you make it possible to include information from those tables. For example, you can link the **Account ID** field in the **Transaction** table to the **Account ID** field in the **Account** table. When Report Writer prints a ticket, it will then be able to include information about the account that was involved in the transaction.

Because you have included several tables in your quick query, the **Link Tables** form will appear when you click the **OK** button.

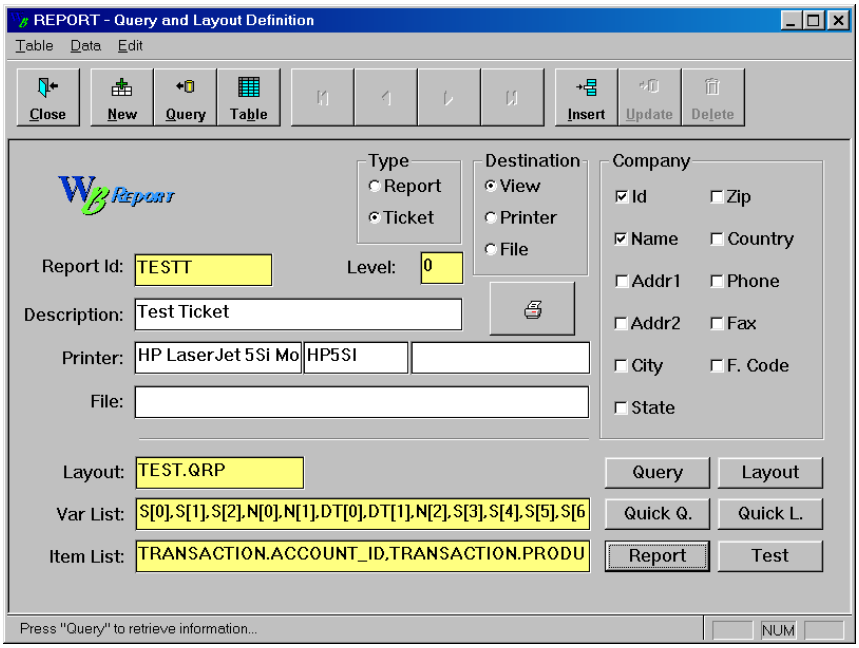


1. Select **Transaction** in the left combo box, and highlight **Account ID** in the list box below it.
2. Select **=** in the center combo box.
3. Select **Account** in the right combo box, and highlight **Account ID** in the list box below it.
4. Click the **Add** button to create a link.
5. Select **Transaction** in the left combo box, and highlight **Product ID** in the list box below it.

6. Select **=** in the center combo box.
7. Select **Product** in the right combo box, and highlight **Product ID** in the list box below it.
8. Click the **Add** button to create a link.
9. Select **Transaction** in the left combo box, and highlight **Vehicle ID** in the list box below it.
10. Select **=** in the center combo box.
11. Select **Vehicle** in the right combo box, and highlight **Vehicle ID** in the list box below it.
12. Click the **Add** button to create a link.
13. The three links that you just created will be shown in the list box at the bottom of the form. Click the **OK** button to accept the links.

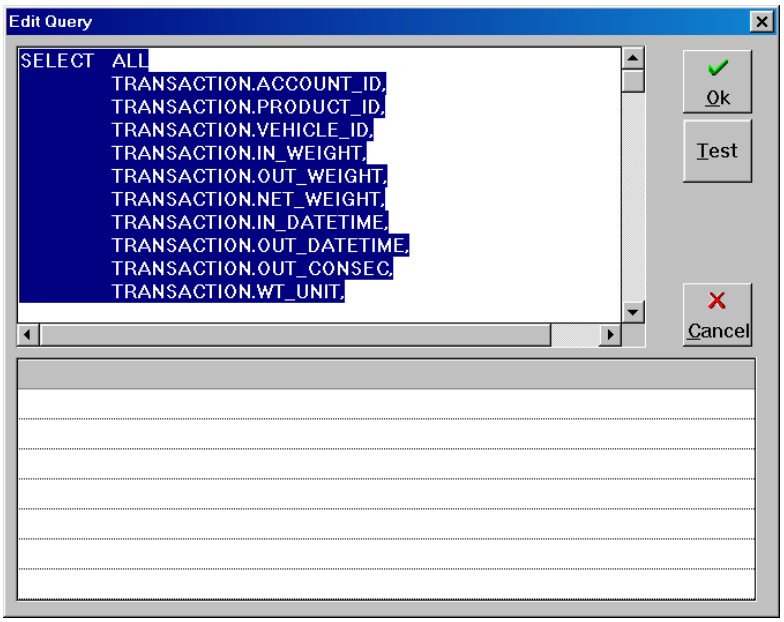


You will now return to the **REPORT – Query and Layout Definition** form. The **Var List** (variable list) and **Item List** fields should now contain the information that you just entered. The variable list identifies the type of variable (Date/Time, String, Number), and the item list identifies the specific type of variable. When you use the **Query** button to change the query, the change will be reflected in the variable list and item list (always in the proper order).



Test the Query

Once you have completed the query and linked the tables, press the **Query** button in the lower right-hand corner of the **REPORT – Query and Layout Definition** form. This will display the query on the **Edit Query** form.



All elements to be printed on your report or ticket should show up in the display area. From this form, you can also use SQL statements to refine your query. Click the **Test** button to test the query or any changes that you make, and then click **OK** to confirm the query.

Defining the Layout

To generate a basic report, which can be modified to print a ticket, click the **Quick L.** button on the **REPORT – Query and Layout Definition** form. This will open a ReportWindows form that shows all of the items defined in your query, plus the text objects that are used as column headings.

Sections of a Report/Ticket:

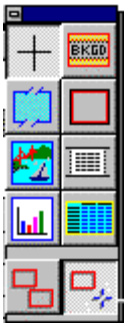
- **Report Header** appears at the beginning of the report.
- **Page Header** appears at the top of each page.
- **Detail Block** is the body of the Ticket/Report.
- **Page Footer** appears at the bottom of each page.
- **Report Footer** appears at the end of the report.

If you add a break group (a subsection) to the report, you can also insert a **Break Group Header** and **Break Group Footer**.

Tool Palette

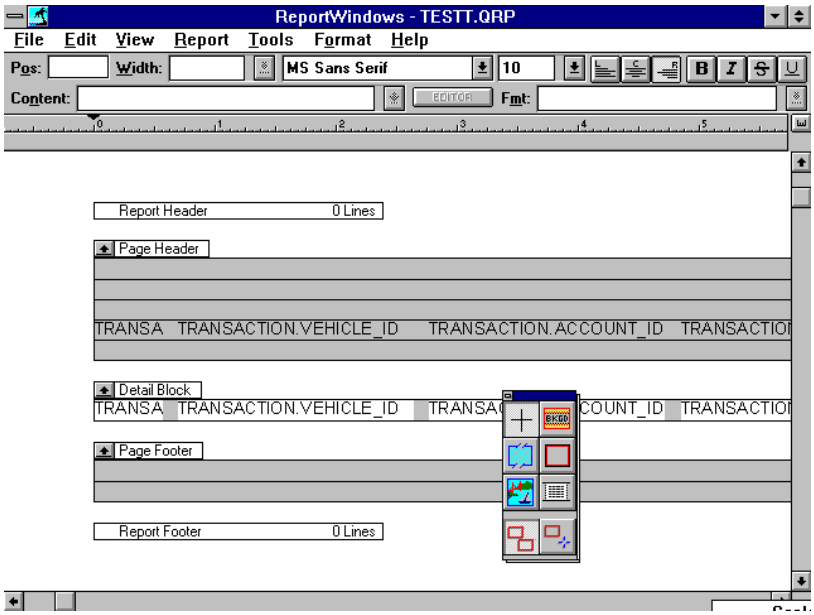
Open the **View** menu on the ReportWindows menu bar, and select **Palette** from the drop-down menu to display the tool palette.

Use the right mouse button to scroll through the tools, or point at a tool and use the left mouse button to select it. You can also select a tool from the **Tool** menu on the menu bar. The tool palette is shown to the left. The tools (from left to right, starting with the top row) are described below:



- Selector Tool - For selecting objects.
- Background Text Tool - For adding background text.
- Field Tool - For adding text fields.
- Box Tool – For adding boxes.
- Picture Tool - For adding picture objects.
- Line Tool - For adding line objects (complete work areas).
- Graph Tool - For adding graphs.
- Crosstab Tool - For adding tables.
- Auto Selector Off - Pointer remains on last item used.
- Auto Selector On - Pointer returns to selector tool.

The ReportWindows layout form for the query that you created is shown below, with the tool palette displayed. Note that TRANSACTION.VEHICLE_ID appears twice: once as a background text object (a column heading for a report) and once as a field object (an entry under the column heading) This is the same for each item specified in the query.



Delete an Object

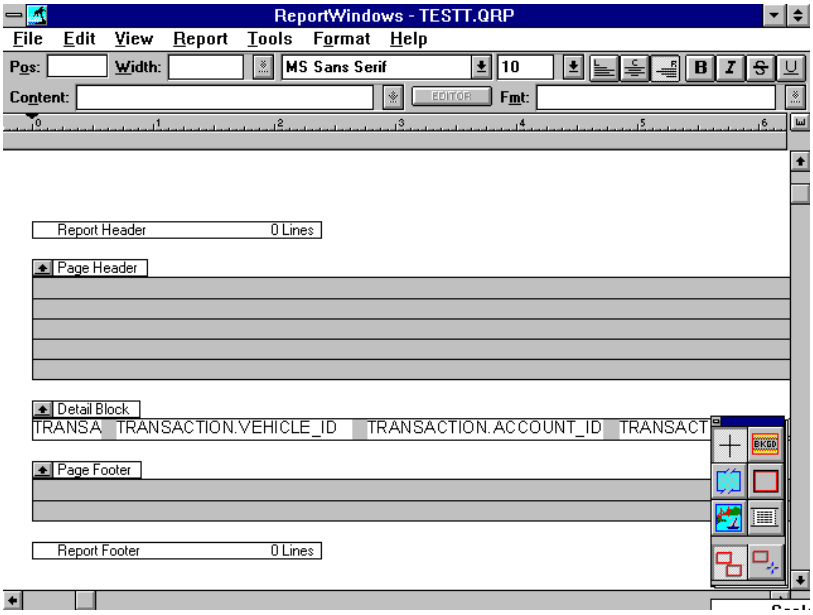
1. Use the selector tool to highlight the TRANSACTION.VEHICLE_ID background text object (which is shown in the **Page Header** section).
2. Open the **Edit** menu on the menu bar and select **Cut**.
3. The object should be deleted.

Delete a Line

1. Use the selector tool to highlight the blank line just below **Page Header**.
2. Select **Cut** from the **Edit** menu.
3. The line object should be deleted.
4. Delete all of the lines from the page header.

Add Lines to the Page Header

1. Select the line tool.
2. Place the cursor on the **Page Header** heading.
3. Click the left mouse button until there are five lines under **Page Header**.
4. The screen should look like the one shown below.



Add Lines to the Detail Block

1. Select the line tool.
2. Position the cursor directly on the **Detail Block** heading.
3. Click the left mouse button until you have added seven lines.

Add a Picture to the Ticket

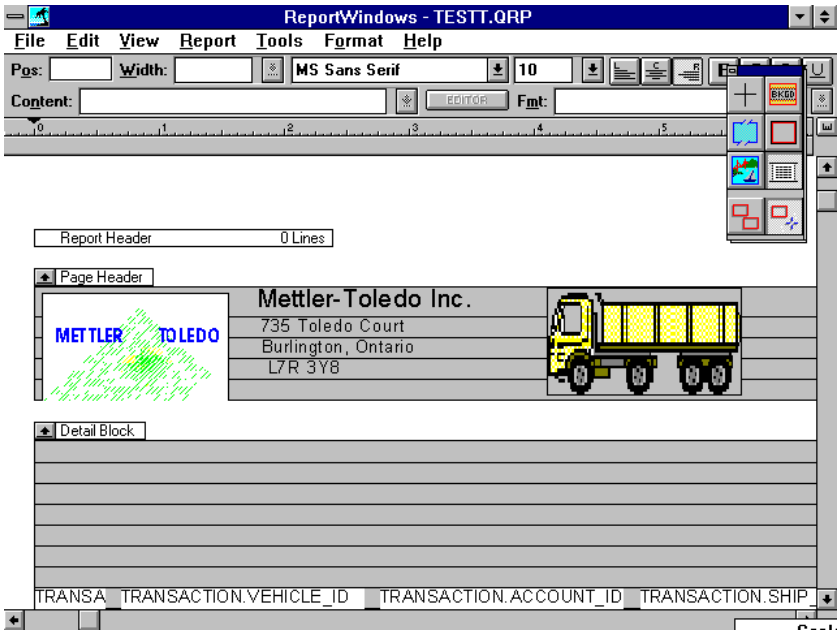
1. Select the picture tool.
2. Position the cursor at the left edge of the first blank line in the page header area. Hold down the left mouse button and drag the cursor to draw a box 1.5 inches wide and 5 lines deep. Release the mouse button. To position the cursor and measure the width of the box, use the ruler at the top of the window or use the **Position** and **Width** fields above the ruler.
3. When the box is complete, open the **Edit** menu and select **Paste From**.
4. Select a bitmap (*.bmp) from the list of available files.
5. Click **OK**.
6. The picture should be placed in your ticket.

Add a Second Picture to the Ticket

1. Select the picture tool again.
2. Position the cursor 4 inches from the left edge of the first blank line in the page header area, and create another box 1.5 inches wide by 5 lines deep.
3. Open the **Edit** menu and select **Paste From**.
4. Select another bitmap (*.bmp) file.
5. Click **OK**.
6. The second picture should be placed in your ticket.

Add Text to the Page Header

1. Select the background text tool.
2. Place the cursor on the first line in the page header, just to the right of the first picture that you inserted. Click the left mouse button, and type the text "Mettler-Toledo Inc." The complete text is displayed in the **Content** data field at the top of the window.
3. Choose the selector tool.
4. Highlight the text that you just entered.
5. Choose a font and a point size (14) from the combo boxes to the right of the **Width** combo box.
6. Use the same procedure to fill in the address lines of the page header, so that your screen looks like the one shown below.



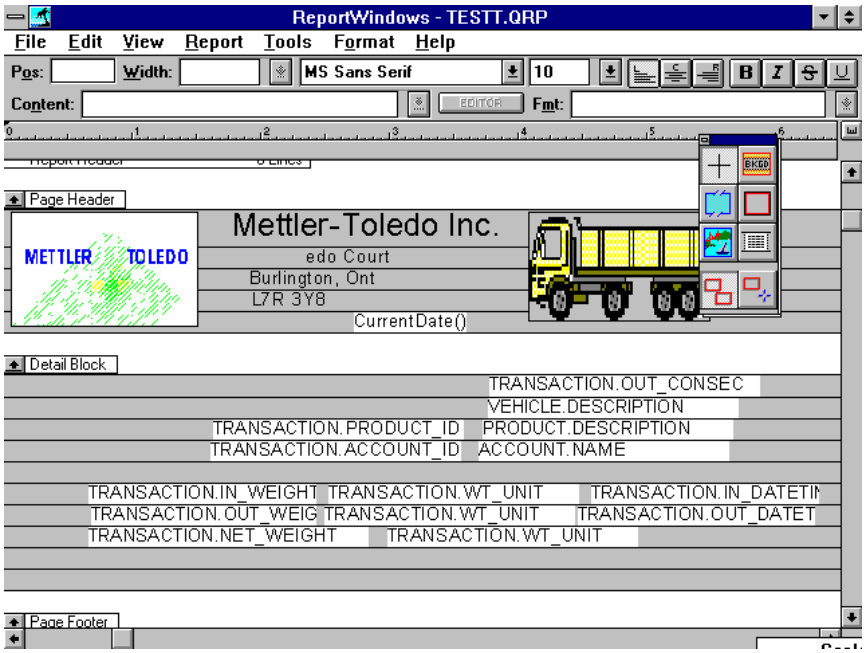
Add the Date to the Last Line of the Page Header

1. Select the field tool.
2. Position the cursor in the last line of the page header, midway between the two pictures. Click the left mouse button to create a field for the date.
3. Click the **Editor** button to display the **Formula Editor** screen.
4. Double-click on the **CurrentDate** function shown in the right-hand window. The **CurrentDate** function will move to the top window.
5. Click **OK**. The **CurrentDate** function will be placed in the field you created.
6. Click on the scroll arrow to the right of the **Fmt** field.
7. Choose the Date format you want for your ticket.

Your page header is now complete.

Detail Block

Use the selector tool to move the input objects in the **Detail Block** to form a pattern like the one shown below.



- To move an object, position the cursor on the object. Hold down the left mouse button to highlight the object, and drag it to the new location.
- To duplicate the **Weight Unit** field, use the **Copy** and **Paste** commands in the **Edit** menu.
- Use the line tool to add lines if necessary.
- Use the background text tool to create any headings that you want to be printed with the input objects.

Preview Your Ticket
To preview your ticket layout, open the **Report** menu and select **Preview**. To return to the layout design form, open the **Report** menu and select **Design**.

Save and Exit
Open the **File** menu and select **Save** to save your layout. Open the **File** menu and select **Exit** to return to the **REPORT – Query and Layout Definition** form.

Generating a Report

Open the WinBridge **REPORT – Query and Layout Definition** form by selecting **WB Report** from the **Report/Ticket** menu on the Vehicle Processing screen. Enter the following information in the data fields:

Name: TESTREP
Level: 0
Description: Test Report
Printer: (Press the Printer button and select from the list)
File: (Leave blank)
Layout: TESTREP.QRP
Var List: (Leave blank)
Item List: (Leave blank)
Type: Select the **Ticket** radio button
Destination: Select the **View** radio button

1. Click the **Quick Q.** button to display the **Quick Query** form.
2. Select **Transaction** from the combo box at the top of the form.
3. Select the following transaction database items from the list box on the left and use the arrow buttons to move them to the list box on the right:

   Account ID
   In DateTime
   Out DateTime
   Net Weight
   Vehicle ID
   Wt Unit
4. When finished, click **OK** to return to the **REPORT – Query and Layout Definition** form. You can click the **Query** button in the lower right-hand corner of the screen to display the **Edit Query** form.

Dynamic Variables

Dynamic variables are used to modify a report before you run it. For example, you can use Date variables to provide details about transactions that were made between two dates.

Dynamic Variables Available:

Date	:d1 to :d12
String	:s1 to :s12
Number	:n1 to :n12

The items that you selected during your quick query should appear on the **Edit Query** form shown below:

```
SELECT ALL
        TRANSACTION.ACCOUNT_ID,
        TRANSACTION.IN_DATETIME,
        TRANSACTION.OUT_DATETIME,
        TRANSACTION.NET_WEIGHT,
        TRANSACTION.VEHICLE_ID,
        TRANSACTION.WT_UNIT
FROM    TRANSACTION
```

Refine your query to include two dynamic date variables. Position the cursor at the end of the FROM TRANSACTION line and press the RETURN key to move the cursor to the next line. Enter the following WHERE clauses connected by the word AND:

```
WHERE   TRANSACTION.IN_DATETIME>=:d1 AND
         TRANSACTION.OUT_DATETIME<=:d2
```

Order By

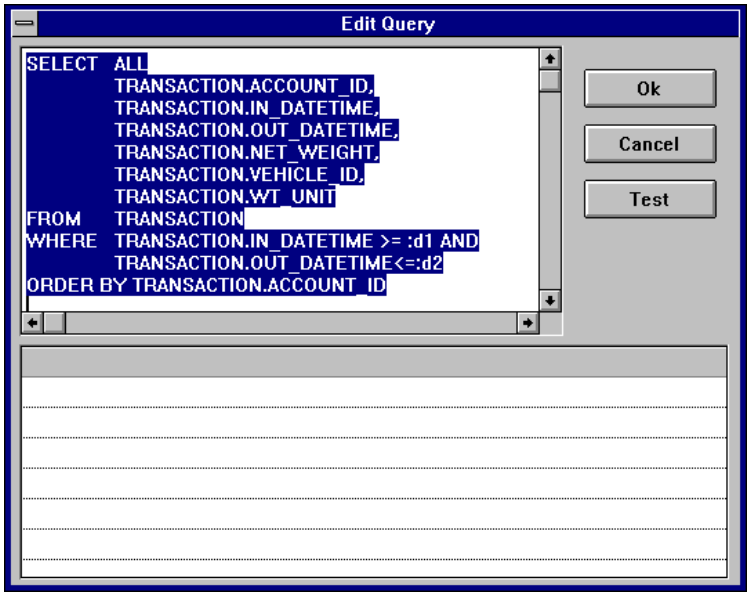
ORDER BY is an SQL statement that sorts or indexes the items presented in the report. The order of the data is especially important when break group reports are to be generated. Reports with break groups in them group all transactions of a certain type (for example, all transactions belonging to Account 1).

Refine your query further by adding an ORDER BY statement.

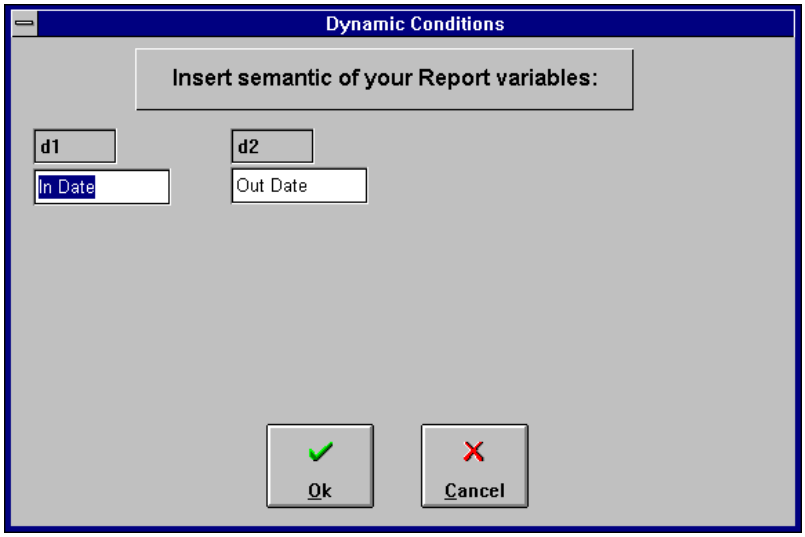
```
SELECT ALL
            TRANSACTION.ACCOUNT_ID,
            TRANSACTION.IN_DATETIME,
            TRANSACTION.OUT_DATETIME,
            TRANSACTION.NET_WEIGHT,
            TRANSACTION.VEHICLE_ID,
            TRANSACTION.WT_UNIT
FROM      TRANSACTION
WHERE      TRANSACTION.IN_DATETIME>=:d1 AND
             TRANSACTION.OUT_DATETIME<=:d2
ORDER BY TRANSACTION.ACCOUNT_ID
```

If you are using more than one ORDER BY element, each element should be separated by a comma.

Your final query should appear as shown below:



Click the **Test** button, and enter the prompts for your dynamic variables, as shown in the **Dynamic Conditions** form below. Click **OK** when you are finished, and then click **OK** again to exit the **Edit Query** screen.



Formatting

Formatting a report layout is similar to formatting a ticket layout.

Use Quick Layout to Format Your Report

1. Click the **Quick L.** button on the **REPORT – Query and Layout Definition** form.
2. Add a title to your report in the report header. Use the line tool to add a line to the report header. Then use the background text tool to position and enter text for the title in the new line.
3. Use the background text tool to add column headings. Headings can be placed in the report header or page header.
4. Arrange the field objects to allow enough space for the required Information.
5. Use preview mode to check your changes. Open the **Report** menu and select **Preview**. When you want to return to design mode, open the **Report** menu and select **Design**.

Create a Break Group

1. Open the **Format** menu and select **Break Groups** to display the **Format Break Groups** form.
2. Input items are shown in the window on the left. Choose TRANSACTION.ACCOUNT_ID as your first break group. Use the arrow button to move it to the **Break Groups** window on the right.
3. When you click **OK**, a new break group header and break group footer will be added to the report.

   NOTE: due to space limitations, only part of the full title might be displayed (Header:...CTION.ACT_ID).

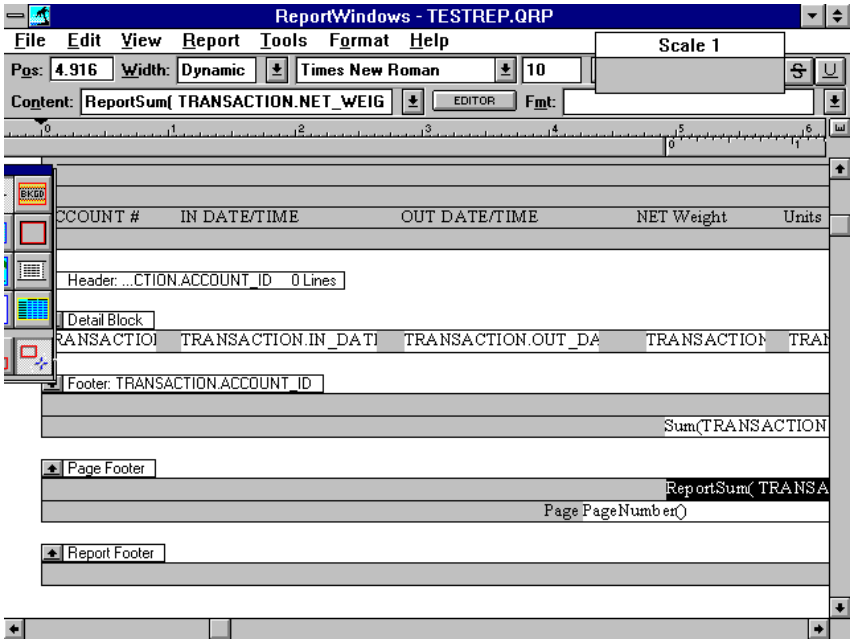
Create a Field in the Break Group Footer

1. Use the line tool to add a line to the Footer: TRANSACTION.ACCOUNT_ID.
2. Use the field tool to add a field under the Net Weight column.
3. Click the **Editor** button to display the **Formula Editor** form.
4. Double-click on **Sum** in the **Functions** list box.
5. Double-click on TRANSACTION.NET_WEIGHT in the **Data Items** list box.
6. Click **OK** to create a formula that reads SUM(TRANSACTION.NET_WEIGHT).

Create a Field in the Page Footer

1. Use the field tool to add a field under the Net Weight column.
2. Click the **Editor** button to display the **Formula Editor** form.
3. Double-click on **Reportsum** in the **Functions** list box.
4. Double-click on TRANSACTION.NET_WEIGHT in the **Data Items** list box.

5. Click **OK** to create a formula that reads REPORTSUM(TRANSACTION.NET_WEIGHT).
6. Your form should look like the one shown below:



Save Your Report Format
Open the **File** menu and select **Save**.

Exit ReportWindows
Open the **File** menu and select **Exit**. You will return to the **REPORT – Query and Layout Definition** form.

View Your Report
Click the **Report** button to display the **Reports** form. Highlight the report that you just created. Click the **Print** button to print the report, the **View** button to view it on the computer screen, or the **To File** button to output it to a file.

You will be asked to insert filter conditions (for example, the specific dates that you want the report to cover), and then the report will run.

11 Installing on the Customer's PC

Preparation

When you have finished configuring a WinBridge system, test it thoroughly on your computer. Process several test transactions and make sure that everything functions as expected.

Copy each file that you changed onto a disk that you can take to the customer's site. The disk should include the Wbridge.exe file, the Wbridge.ini file, and any other files that you changed. If you are providing a translated version of the program, you will also need copies of the files that you translated.

At the Customer's Site

To set up a WinBridge system at a customer's site, you will need a copy of the WinBridge 1.3.9 CD, WinBridge 1.3.9 User Manual, and the disk containing the files that you configured.

1. Install the WinBridge 1.3.9 program on the customer's computer, following the appropriate installation instructions in Chapter 1 and 2.
2. Copy the files that you configured from your disk to the customer's computer. These files should be copied to the Wbridge directory that was created when you installed the program. The files should include Wbridge.ini, Wbridge.exe, Wbrept.exe, and *.exp, *.qrp, and *.dat files. These files will replace the default files in the directory.
3. Start the WinBridge program and log in. Make a note of the customer's system ID. You will need the ID to get a password.
4. Test the program to make sure it is working properly and communicating with the customer's scale(s) and indicator(s). If the customer is using an unattended driver terminal, make sure it is working properly.
5. Show the customer how to enter records in the WinBridge tables and how to process transactions. Explain the backup and export procedures.
6. Leave the WinBridge CD and User Manual with the customer.

Final Steps

1. Complete the WinBridge registration card and send it to METTLER TOLEDO.
   - E-mail: Winbridge@mt.com.
   - Fax: +1-614-841-7295.
2. Get passwords from METTLER TOLEDO and supply them to the customer. NOTE: Without a password, the customer will be able to use the WinBridge program for only 35 days.

Backup and Export Operations

Note: We recommend performing a backup daily.

Backup Procedure

Every time changes are made in the database or new data are inserted, the database generates a security file (log.xxx), for which the extension is a progressive number. These files allow the database to be restored in case of damage to the database file (Wbridge6.dbs). This provides security to the data contained in the database. However, all database systems should be backed up frequently. When a backup is performed, most of the log files are erased and a copy of the database (Wbridge.bkp) is made in the specified directory, together with the log files needed.

Export Operation

The Export Transactions Operation performs the following:

- All completed transactions are copied in an external ASCII file (usually in the Export directory).
- When a completed transaction is exported, its status is changed to X.
- All exported, voided, and modified transactions that are older than the maximum number of keep days set in **Tools-Processing Parameters-Operator** are erased from the database.
- The export files generated by the system are one per day and have a progressive numbering. The extension is *.dat, while the file with extension *.exp contains the description of the fields present in the transaction file.
- For data security, transactions are not erased from the database until they are exported.

The current status of each transaction is indicated by the following status codes:

- **A** **Active** or open transactions (only the first weighing has been made). These transactions are kept in the database no matter how old they are.
- **C** **Completed** or closed transactions (two weighings have been made). These transactions will not be erased from the database, even after the maximum number of days.
- **X** Completed transactions that have been **Exported**. Because these transactions have been copied to an export file (*.DAT), they will be erased from the database after the maximum number of days.
- **M** Transactions that were **Modified** with the Modify function (some data were corrected in the transaction). These changes have also been logged in the W&M log file.
- **Y** Modified transactions that have been exported. When they are imported back into the database, the Y status distinguishes them from completed transactions.
- **V** Transactions that were **Voided** with the Browse & Void function.
- **W** Voided transactions that have been exported. When they are imported back into the database, the W status distinguishes them from completed transactions.

Transactions with a V, M, X, W, or Y status are kept in the database until the number of stored days expires (specified in the **Processing Parameters** screen).

Statuses W and Y avoid confusion when you import transactions back into the database to run reports on them.

Weights & Measures Certification

Since European Weights & Measures approval has been obtained for the software, the software has a function for keeping track of completed and modified transactions.

Software Version Identifier

To find out which version of WinBridge software you are using, open the **Help** menu on the Vehicle Processing screen and select **About WinBridge**. The identifier field cannot be edited or hidden.

Software Checksum Control

A checksum routine is run every time the software is started (read from the scale indicator). It checks that the legally relevant parts of the software were not modified. The checksum number is visible in the **About WinBridge** screen. A number in this field means that the original software parts are being used. If, instead of a number, the message "This release is not certified" appears, it means that one or more of the legally relevant parts of the software has been modified.

Weights & Measures Transactions Log File

This function is accessed by opening the **Tools** menu on the Vehicle Processing screen and selecting **WMLog**. You then get a screen where you can select the transactions. The purpose of this log file is to store every transaction that is made on the weighing station for weights and measures certification.

The log file is an ASCII file that contains the following fields:

- TRANS_NO: (10 digits) transaction number
- IN-DATE: (YYYYMMGGHHHHMMSS) in time&date
- OUT_DATE: (YYYYMMGGHHHHMMSS) out time&date
- IN_SCALE_ID: (3 characters) 1st weighing scale identifier
- IN_WEIGHT: (9 digits) 1st weighing
- OUT_SCALE_ID: (3 characters) 2nd weighing scale identifier
- OUT_WEIGHT: (9 digits) 2nd weighing
- NET_WEIGHT: (9 digits) net weight value
- WT_UNIT: (2 characters) weight unit
- UNIT_PRICE: (8 digits) price per unit
- PRICE_BT: (8 digits) price before tax (TRANS.AMOUNT)
- TAX1: (5 digits) tax 1 field
- TAX2: (5 digits) tax 2 field
- ADD_PRICE: (8 digits) optional additional price
- PIECES: (8 digits) no. of pieces in product
- PRICE_AT: (8 digits) final price (TRANS.TOTAL)
- PRICE FORMULA: (256 characters) formula used for price calculation
- DISCOUNT: (5 digits) discount applied
- MODIFIED: (10digits) trans_no before modification

A utility is provided for the user to retrieve, view, and print the transactions stored in this file. To access it, open the **Tools** menu and **WMLog** menu item. It is not possible to modify the log file in any way. This utility allows you to print the log file for a selected date range or for a selected transaction number. This operation can be set as an end of session operation.

12 Troubleshooting

Installation

What do I do if I have more than one SQL.ini file?

- The SQLBase database requires that only one SQL.ini file is used. Remove all other SQL.ini files, except the file in the SQLB701 default directory.

What do I do if I loaded WinBridge 1.3.9 on a 1.3.6 machine with Windows 95 and I got a WINCLIENT error?

- Make sure that you have only one SQL.ini file. Also confirm that networking is properly installed and configured. If you are using NT, reboot the computer after installation.

Data Storage

I need to submit reports for electronic interface to other tools (Excel, databases, etc.). How do I get information from WinBridge to another package?

- You can connect to the database via ODBC and use the information directly, or you can create a delimited (with commas, semicolons, etc.) report and import it into another program. To create a comma delimited report, open the Report Writer and select the fields required for the report. Then in the layout, remove all the information from the header and footer so that there are no lines in either section. Remove all the information from the detail section and add one data field. Use the **Editor** button on the toolbar to go to the editor. Separate the fields with a ||. This links string fields together. To make the report comma delimited, separate the fields with a || followed by a ',' followed by another ||. Here is a sample line:

TRANSACTION.ACCOUNT_ID||','||TRANSACTION.TRANS_NO||','||ACCOUNT_ID

Remember that all fields need to be strings. So for a date or number, use DateToStr and NumberToStr functions to convert the information.

Tickets and Reports

Some fields are blank when I print a ticket, and the ticket prints all blank. What is wrong?

- Tickets are designed not to print if any information is missing. All the information has to be available for the ticket to print.

How can I print a ticket with a Container ID when the truck is not a container truck (no container)?

- Use a * as a Container ID in the **Container** table. The database uses * as a null container. If a null container is defined in the database, the other information will be accepted and printed.

How can I print a Contract ID on a ticket when no Contract ID is defined?

- Use a + as a Contract ID in the **Contract** table. The database uses + as a null contract. If a null contract is defined in the database, the other information will be accepted. This will allow the ticket to print without changing the transaction.

How do I get a ticket to print for a transient vehicle?

- When defining the ticket in the query format, add the following line:

  WHERE TRANSACTION.VEHICLE_ID=VEHICLE.VEHICLE_ID(+).

  This will allow a non-blank vehicle field to print the rest of the ticket.

I tried to print the last ticket and got an error message saying it is not available. What does this mean?

- If a transaction was not completed and a ticket was not printed, then there is no last ticket. For a last ticket to be available, you need to complete a transaction that has a ticket associated with it.

I want to send a query based on a product in a report. But even though the product exists in the database, the query comes back empty. Why?

- If you are using a date range, confirm that a transaction using that product was processed within the date range. Check the spelling of the product. Also confirm the format of the information you are entering. Reports are case sensitive. If the product was entered in the table in all caps (PRODUCT) and you type it in the query with upper/lower case characters (Product), the query will fail.

Error Messages

What do I do if I get a winsock.dll missing error?

- Install TCP/IP on your computer or check the configuration of your network installation.

What does a socket error mean?

- It means that you have not properly installed the TCP/IP protocol on your computer. You need to have networking installed for WinBridge. It can also mean you do not have the correct version of winsock.dll.

What do I do if I get a d2htools.dll missing error when trying to go to help?

- Put the d2htools.dll file in the c:\Windows\System directory.

The virtual scale does not appear on the screen. How do I get it back?

- Go into the Wbridge.ini file and change the location of the [dlgscreendisplay1] to 5,0,0. This will bring the scale back onto the screen.

What do I do if the date and time are not displayed on the Vehicle Processing screen?

- Go to the Wbridge.ini file and enable [view] timeday=1 and wait=1.

What do I do if I get a "Max number of Clients exceeded" error?

- You have tried to connect more than one client to a single client database server. If you installed the desktop version, it is a five-client server. This error usually occurs when connecting ODBC to the database.

The customer name (Joe's Service) yields a runtime error. What is wrong?

- An apostrophe (or single quotation mark) is not a legal character in WinBridge.

My Epson FX-880 does not print correctly with WinBridge. Why?

- The Epson printer requires an updated driver, which is available on the Epson website (www.epson.com). Epson recommends the FX-880 driver, but the FX-850 driver should be used with Windows 98 if the FX-880 does not work.

Unattended Driver Station

Problems running unattended transactions are sometimes caused by the WinBridge installation. You can use the Windows HyperTerminal to test the WinBridge installation to make sure it is operating correctly in unattended mode.

1. Disconnect the COM line (the cable connecting the converter box to the PC) from the WinBridge PC.
2. Use a cable to connect the COM port on the WinBridge PC to the COM port on a laptop computer or other PC that has Windows HyperTerminal installed on it.
3. Start the HyperTerminal. Make sure that the setup parameters match those used for the driver station (4,800 baud, 8 data bits, no parity bits, 1 stop bit, and no flow control). Make sure that the correct COM port is used on both computers.
4. Set the WinBridge installation to unattended mode (the **Unattended** button on the Vehicle Processing Screen should be green).
5. Run a test unattended transaction:
   - The prompt for the first input data (for example, Vehicle:) should appear on the HyperTerminal screen.
   - At the HyperTerminal, type the ID number used as the first input data and then press the ENTER key.
   - If additional data is required for the transaction, enter it at the HyperTerminal. If the data is displayed on the HyperTerminal screen, simply press the ENTER key to accept it.
   - When the Weight form appears on the WinBridge PC screen, click the **Scale** button to take a weight reading.
   - If the transaction is completed successfully, the **Transaction Accepted!** message will appear on the HyperTerminal screen.

This indicates that the WinBridge installation is processing the transaction correctly. If the transaction is not accepted, the WinBridge installation is probably the cause of the problem.

NOTE: To be able to enter a weight manually, you will need to add the following wizard at the bottom of your Wbridge.ini file:

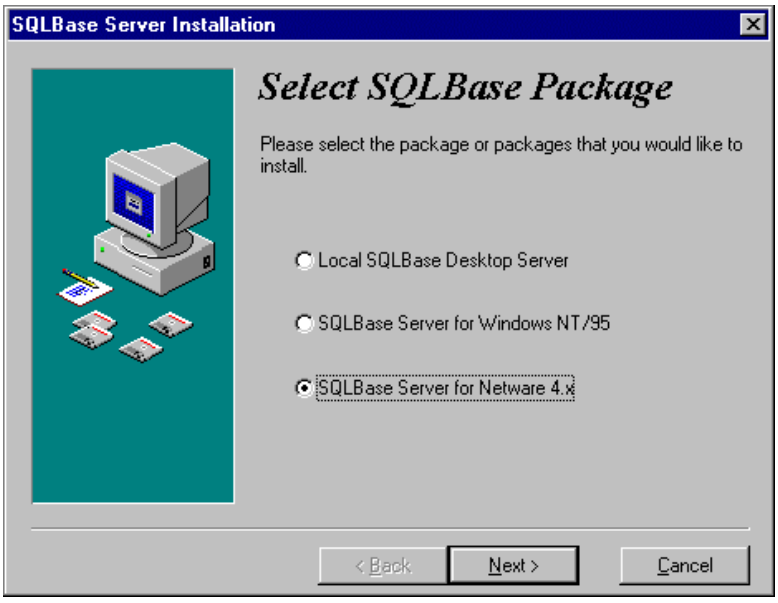
[Wizard]

Manual=1

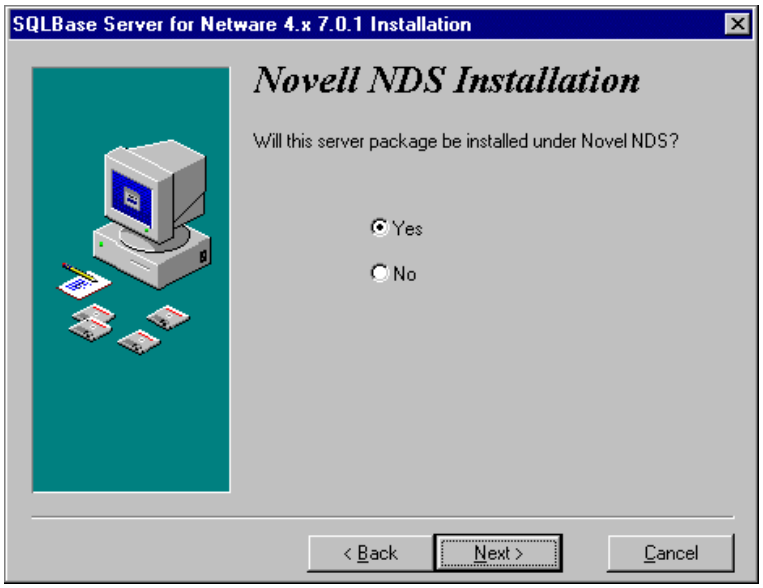
Netware (Novell 4.11)

Setting up a Netware server with WinBridge 1.3.9

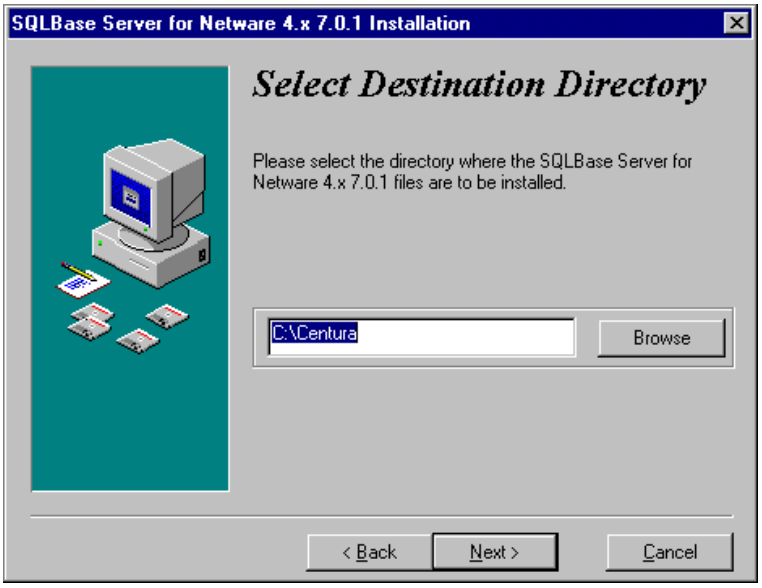
1. We recommend that you store the SQLBase software in three separate volumes.
   - SQLBase (for example, nlm:\Centura)
   - Wbridge6 database (for example, db:\Centura\Wbridge)
   - Log files (for example, log:\Centura)
2. Map a logical drive to the targeted volume and directory where you wish to install the SQLBase program. For example, map k:=nlm:\Centura. The setup will prompt you for this logical drive.
3. Use WinBridge version 1.3.9 to install Netware server from a client machine.
4. During install choose Server / Netware server 4.x.



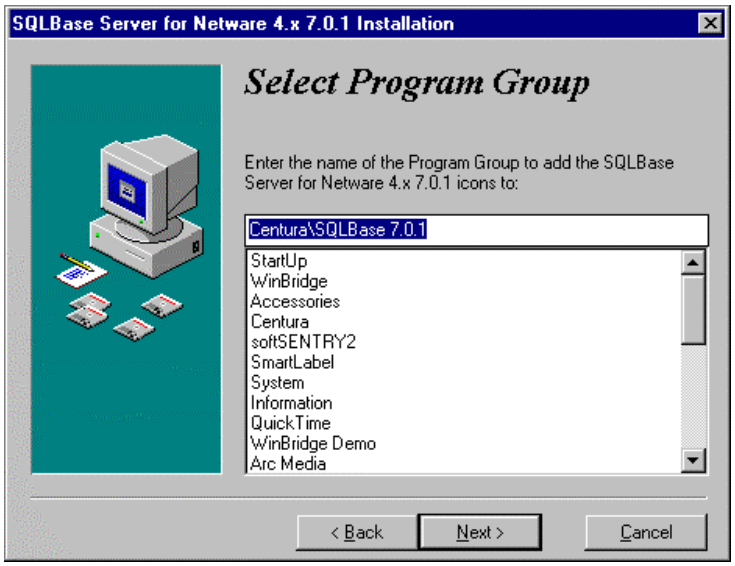
5. When selecting the NetWare version, remember that only version 4.11 is Y2K ready.



6. Choose whether the server will installed under Novel NDS.



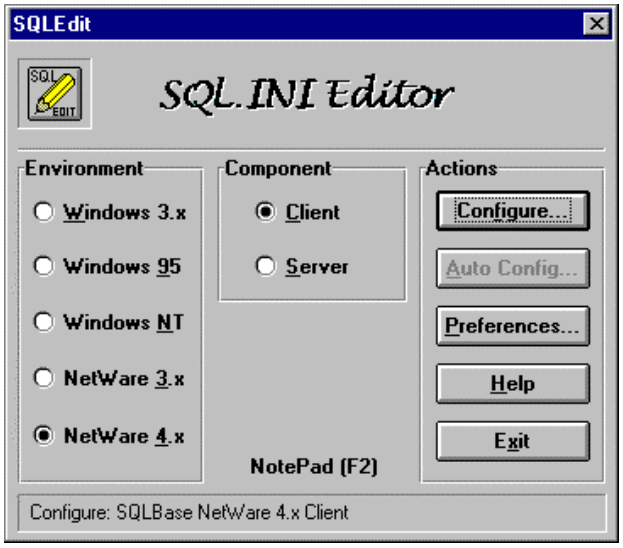
7. The default directory is Centura.



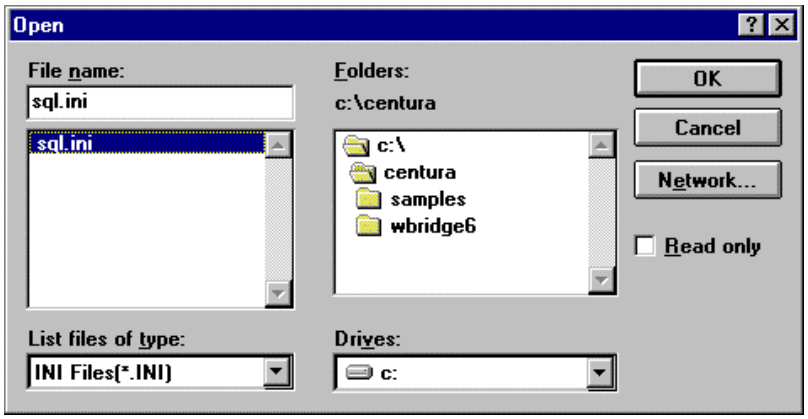
8. Once the installation is complete, make sure that clib.nlm and mathlib.nlm are loaded into the autoexec.ncf (you can load them manually or edit the servers autoexec.ncf to include them). To load them manually, use the following commands:
   - load clib
   - load mathlib
9. Use the following command line to load dfs.nlm:
   - load dfs or load dfd
10. If you want to start the SQLBase server every time the Netware server boots, add lines to the autoexec.ncf file that loads dfs.nlm, dll.nlm, spxdll40.nlm, or spdx.nlm and the database server (this is already done in the sqlbase.ncf).
11. If you do not want to start the SQLBase server each time the Netware server boots, you can use the sqlbase.ncf file that loads dfs.nlm, dll.nlm, spxdll40.nlm, or spdx.nlm and the database server. This is located under C:\Centura by default.
12. You should stop the server before you turn off the database server computer. To do this type the following lines at the command line:
    - unload spxdll40
    - unload dll
    - unload dfs

Client Configuration

1. Launch SQLEdit.exe by default under C:\SQLB701\Client.
2. Select Netware 4.x and client, and then click on the Configure button.



3. Choose the location of the SQL.ini file.



4. Select the protocols to be used.

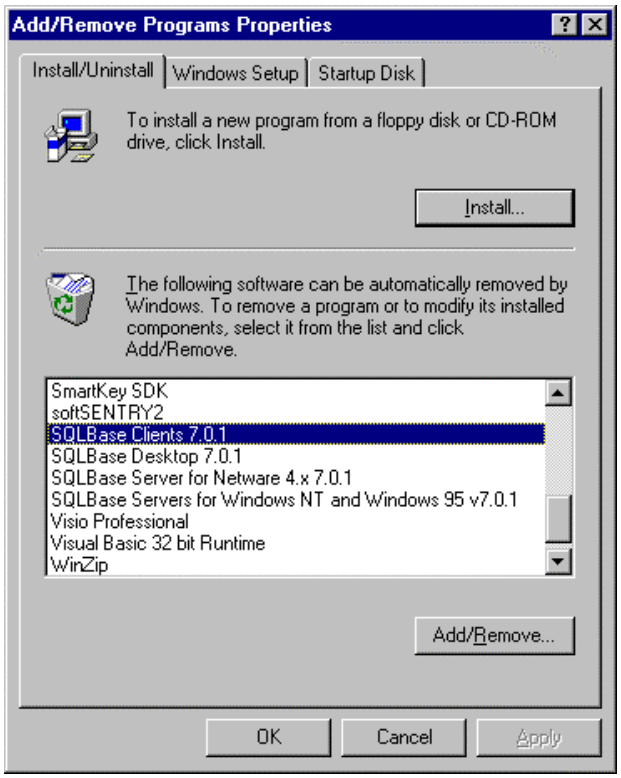
5. Configure the Parameter, Value, and Usage:
   - Parameter: Displays the configuration keywords you can set for the selected client/protocol combination (for example, serverprefix).
   - Value: Sets the value of the parameter (for example, the prefix of the server).
   - Usage: Displays the keyword format.

Uninstalling WinBridge

When you install WinBridge software you are actually installing several components: Client, Server, and WinBridge. The following instructions explain how to uninstall all three components.

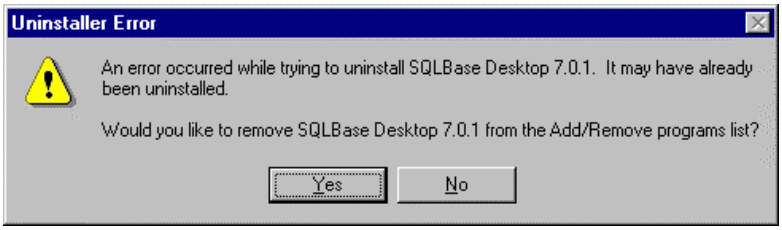
To Uninstall the Client/Server software:

1. Go to **Start/Settings** and select **Control Panel**.
2. From the **Control Panel** screen, select **Add/Remove Programs**.
3. Select **SQLBase Clients** and click on the **Add/Remove** button.

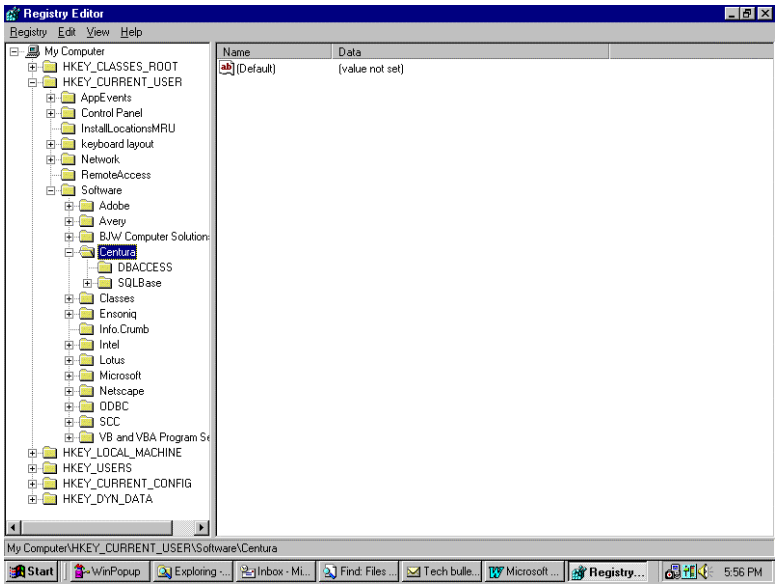


4. When completed, go back to **Add/Remove Programs** and select **SQLBase Desktop 7.0.1** or **SQLBase Server**.

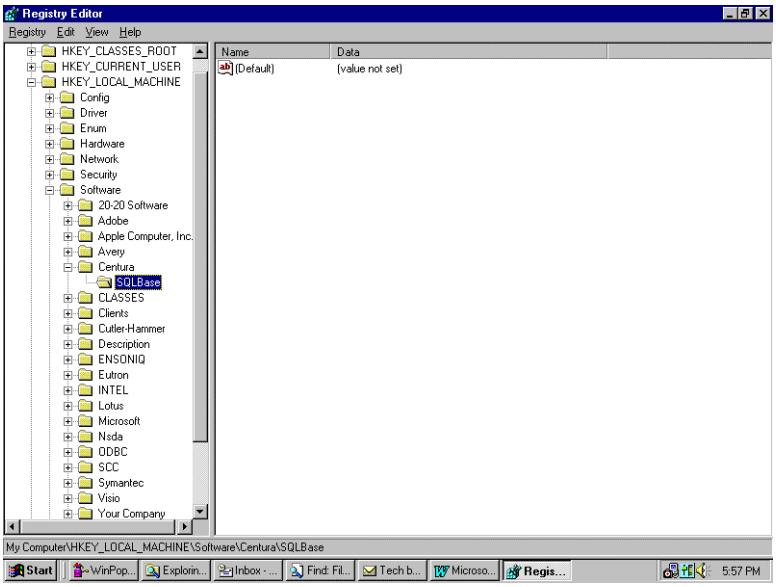
5. When you click the **Add/Remove** button, the following message will appear:



6. When the client is uninstalled, the server software is also uninstalled, but the reference is not. Click the **Yes** button to remove the reference.
7. Go to **Start/Run** and type **RegEdit**. Then click the **OK** button to display the **Registry Editor** screen.



8. Select HKEY_CURRENT_USER/Software/Centura and delete the SQLBase Key.



9. Select HKEY_LOCAL_MACHINE/Software/Centura and delete the SQLBase key.
10. Exit from the registry editor.
11. Go to the directory where you installed the WinBridge Client/Server software (default SQLB700) and delete the entire directory.
12. You have now removed the Client/Server software.

To remove WinBridge software:

1. Go to the WinBridge Directory (Default Wbridge) and delete it.
2. You have now removed the WinBridge software.

13 Appendices

Appendix 1: Database Structure

This appendix lists the tables included in the WinBridge Database Release 1.3.9.

New fields since release 1.3.7:

TRANSACTION.TRUCK_ONLY

TRANSACTION.TICKET_IN

TRANSACTION.TICKET_OUT

TRANSACTION.SAMPLE_ID

TRANSACTION.SAMPLE_OWNER

TRANSACTION.SAMPLE_RESULT

TRANSACTION.WEIGHMENT

TRANSACTION.STATUS_MOD

TRANSACTION.SPARE 10

TRANSACTION.SPARE 11

TRANSACTION.SPARE 12

TRANSACTION.SPARE 13

PRESET.TICKET_IN

PRESET.TICKET_OUT

COMPANY.LOAD_NUMBER

SAMPLING.MODE

New tables since release 1.3.7:

MASTER_TRANSACTION

MULTI_WEIGHS

The EXTENSION table is still in the database for data compatibility with previous releases, but it is not used.

The spare fields in the Transaction table now have 254 characters.

ACCOUNT

Field Name	Coltype	Length	Nulls
ACCOUNT_ID	CHAR	10	N
FISCAL_CODE	CHAR	20	Y
NAME	CHAR	30	Y
ADDR1	CHAR	30	Y
ADDR2	CHAR	30	Y
CITY	CHAR	30	Y
STATE	CHAR	2	Y
ZIP	CHAR	10	Y
COUNTRY	CHAR	20	Y
PHONE	CHAR	17	Y
FAX	CHAR	17	Y
PERSON	CHAR	30	Y
PAYMENT	CHAR	1	N
MAX_CREDIT	FLOAT		N
ACT_CREDIT	FLOAT		N
TICKET_IN	CHAR	10	Y
INFO	CHAR	30	Y
TICKET_OUT	CHAR	10	Y
ENABLED	SMALLINT	2	Y
OPERATION	CHAR	1	Y
DISCOUNT	FLOAT		Y

Primary Index: account_id

ACCOUNT_DETAIL

Field Name	Coltype	Length	Nulls
ACCOUNT_ID	CHAR	10	N
SHIP_ID	CHAR	10	N
NAME	CHAR	30	Y
ADDR	CHAR	30	N
STATE	CHAR	2	Y
COUNTRY	CHAR	20	Y
ZIP	CHAR	10	Y
PHONE	CHAR	17	Y
FAX	CHAR	17	Y
CITY	CHAR	30	Y

Primary Index: account_id + ship_id

PRODUCT

Field Name	Coltype	Length	Nulls
PRODUCT_ID	CHAR	12	N
DESCRIPTION	CHAR	30	Y
UNIT_ID	CHAR	2	N
PRICE_TYPE	CHAR	1	N
PRICE_FORMULA	CHAR	256	N
STOCK_LEVEL	FLOAT		Y
OPERATION	CHAR	1	N
UNIT_PRICE	FLOAT		N
MANUAL	SMALLINT	2	N
TAX1_ID	CHAR	2	N
TAX2_ID	CHAR	2	N
CONVER_FACTOR	FLOAT		Y
CONVER_UNIT	VARCHAR	5	Y
PRICE_MIN	FLOAT		Y

Primary Index: product_id

VEHICLE

Field Name	Coltype	Length	Nulls
VEHICLE_ID	CHAR	30	N
MAX_LEGAL_WEIGHT	FLOAT		N
DESCRIPTION	CHAR	30	Y
MIN_LEGAL_WEIGHT	FLOAT		N
TYPE	CHAR	1	N
CARRIER_ID	CHAR	10	Y
DRIVER	CHAR	30	Y
LICENSE	CHAR	20	Y
INFO	CHAR	30	Y
OPERATION	CHAR	1	Y
CONTAINER	SMALLINT	2	Y
UNAT_TICKET	SMALLINT	2	Y
EXP_DATE	DATE		Y

Primary Index: vehicle_id

CARRIER

Field Name	Coltype	Length	Nulls
CARRIER_ID	CHAR	10	N
NAME	CHAR	30	Y
ADDR1	CHAR	30	Y
ADDR2	CHAR	30	Y
CITY	CHAR	30	Y
STATE	CHAR	2	Y
ZIP	CHAR	10	Y
COUNTRY	CHAR	20	Y
PHONE	CHAR	17	Y
FAX	CHAR	17	Y

Primary Index: carrier_id

COMPANY

Field Name	Coltype	Length	Nulls
COMPANY_ID	CHAR	3	N
NAME	CHAR	30	Y
ADDR1	CHAR	30	Y
ADDR2	CHAR	30	Y
CITY	CHAR	30	Y
STATE	CHAR	2	Y
ZIP	CHAR	10	Y
COUNTRY	CHAR	20	Y
PHONE	CHAR	17	Y
FAX	CHAR	17	Y
FISCAL_CODE	CHAR	20	Y
LOAD_NUMBER	FLOAT		

Primary Index: company_id

CONTAINER

Field Name	Coltype	Length	Nulls
CONTAINER_ID	CHAR	10	N
DESCRIPTION	CHAR	30	Y
TARE	FLOAT		N
INFO1	CHAR	30	Y
INFO2	CHAR	30	Y

Primary Index: container_id

CONTRACT

Field Name	Coltype	Length	Nulls
CONTRACT_ID	CHAR	12	N
DESCRIPTION	CHAR	30	Y
OTHER_ID	CHAR	10	Y
ACCOUNT_ID	CHAR	10	N
INFO	CHAR	30	Y
DATE_INIT	DATE	4	Y
STOCK_INIT	FLOAT		Y
ENABLED	SMALLINT	2	Y
EXP_DATE	DATE		Y

Primary Index: contract_id

CONTRACT_DETAIL

Field Name	Coltype	Length	Nulls
CONTRACT_ID	CHAR	12	N
PRODUCT_ID	CHAR	12	N
MAX_WEIGHT	FLOAT		N
ACC_WEIGHT	FLOAT		N
DISCOUNT	FLOAT		N
OPERATION	CHAR	1	N
ENABLED	SMALLINT	2	Y
UNIT_PRICE	FLOAT		Y
PRICE_FORMULA	CHAR	254	Y
PRICE_TYPE	CHAR	1	Y

Primary Index: contract_id + product_id

COUNTER

Field Name	Coltype	Length	Nulls
TRANS_NO	FLOAT		Y

Primary Index: none

BADGE_ACCOUNT

Field Name	Coltype	Length	Nulls
BADGE_ID	CHAR	12	N
ACCOUNT_ID	CHAR	10	N

Primary Index: badge_id + account_sc

BADGE_CONTRACT

Field Name	Coltype	Length	Nulls
BADGE_ID	CHAR	12	N
CONTRACT_ID	CHAR	12	N

Primary Index: badge_id

BADGE_PRODUCT

Field Name	Coltype	Length	Nulls
BADGE_ID	CHAR	12	N
PRODUCT_ID	CHAR	12	N

Primary Index: badge_id + product_sc

BADGE_VEHICLE

Field Name	Coltype	Length	Nulls
BADGE_ID	CHAR	12	N
VEHICLE_ID	CHAR	12	N

Primary Index: badge_id

MULTI_REPORTS

Field Name	Coltype	Length	Nulls
MULTITAG_ID	CHAR	10	Y
REPORT_ID	CHAR	10	Y
EXECUTION	CHAR	1	Y
DATE_GO	DATE		N
TIME_GO	CHAR	5	N
LASTDATE	DATE		Y
LASTTIME	CHAR	5	Y
LEVEL	SMALLINT		N
DESTINATION	CHAR	1	N
FILE	CHAR	254	Y
DEVICE	CHAR	30	Y
DRIVER	CHAR	15	Y
PORT	CHAR	30	Y
COPIES	INTEGER		Y
OPTIONS	SMALLINT		Y
FROMPAGE	INTEGER		Y
TOPAGE	INTEGER		Y
QUERY	LONG VARCHAR		Y
WHERVAR	LONG VARCHAR		Y

Primary Index: multitag_id + report_id

MULTI_WEIGHS

Field Name	Coltype	Length	Nulls
TRANS_NO	INTEGER		
ACCOUNT	CHAR	10	
PRODUCT	CHAR	12	
AMOUNT	FLOAT		
TAX1	FLOAT		
TAX2	FLOAT		
ADD_PRICE	FLOAT		
TOTAL	FLOAT		
PIECES	INTEGER		
WEIGHING	INTEGER		
SCALE	CHAR	3	
OPERATOR	CHAR	10	
WEIGH_DATETIME	DATETIME		
CONV_WEIGHT	FLOAT		
WEIGHT	INTEGER		
PROD_WEIGHT	INTEGER		
CORR_WEIGHT	INTEGER		
CORR_PRICE	FLOAT		
SPARE	CHAR	254	
DISCOUNT	FLOAT		

OPERATOR

Field Name	Coltype	Length	Nulls
OPERATOR_ID	CHAR	10	N
NAME	CHAR	30	N
LEVEL	INTEGER	4	N
PASSWD	CHAR	10	N
EXPIRES	DATE	4	Y
FUNC_01	SMALLINT	2	Y
FUNC_02	SMALLINT	2	Y
FUNC_03	SMALLINT	2	Y
FUNC_04	SMALLINT	2	Y
FUNC_05	SMALLINT	2	Y
FUNC_06	SMALLINT	2	Y
FUNC_07	SMALLINT	2	Y
FUNC_08	SMALLINT	2	Y
FUNC_09	SMALLINT	2	Y
FUNC_10	SMALLINT	2	Y
TYPE	CHAR	1	N

Primary Index: operator_id

PARAMETER

Field Name	Coltype	Length	Nulls
PRINT_TICKET	SMALLINT	2	Y
LOG_PRINTER	SMALLINT	2	Y
MIN_LEG_WEIGHT	FLOAT		Y
NUM_DAY_LOG	FLOAT		Y
NUM_EXPORT_TRANS	FLOAT		Y
NUM_DAY_TRANS	FLOAT		Y
UNIT	CHAR	2	Y
USE_CONTRACT	SMALLINT	2	Y
USE_LEGALWEIGHT	SMALLINT	2	Y
USE_ACCOUNTING	SMALLINT	2	Y
USE_SHIP_ADDR	SMALLINT	2	Y
LAST_EXP_TRANS	TIMESTM	10	Y
ONE_PASSAGE	SMALLINT	2	Y
LPT	SMALLINT	2	Y
OPERATION	CHAR	1	N

Primary Index: none

PRESET

Field Name	Coltype	Length	Nulls
VEHICLE_ID	CHAR	12	N
PRODUCT_ID	CHAR	12	N
ACCOUNT_ID	CHAR	10	N
CONTRACT_ID	CHAR	12	N
CARRIER_ID	CHAR	10	N
CONTAINER_ID	CHAR	10	N
SHIP_ID	CHAR	30	N
TBL1_ID	CHAR	10	N
TBL2_ID	CHAR	10	N
TBL3_ID	CHAR	10	N
TBL4_ID	CHAR	10	N
TBL5_ID	CHAR	10	N
TBL6_ID	CHAR	10	N
TBL7_ID	CHAR	10	N
TBL8_ID	CHAR	10	N
TBL9_ID	CHAR	10	N
TBL10_ID	CHAR	10	N
TBL11_ID	CHAR	10	N
TBL12_ID	CHAR	10	N
TBL13_ID	CHAR	10	N
TBL14_ID	CHAR	10	N
TBL15_ID	CHAR	10	N
ENTRY_POINT	CHAR	1	N
REMARK	CHAR	30	N
REMARK2	CHAR	30	N
TICKET_IN	CHAR	10	N
TICKET_OUT	CHAR	10	N

REMARK

Field Name	Coltype	Length	Nulls
REMARK_ID	CHAR	2	N
DESCRIPTION	CHAR	30	Y

Primary Index: remark_id

REMARK2

Field Name	Coltype	Length	Nulls
REMARK_ID	CHAR	2	N
DESCRIPTION	CHAR	30	Y

Primary Index: remark_id

REPORT

Field Name	Coltype	Length	Nulls
REPORT_ID	CHAR	10	N
TYPE	CHAR	1	N
DESCRIPTION	CHAR	30	Y
DESTINATION	CHAR	1	N
DEVICE	CHAR	30	Y
FILE	CHAR	254	Y
LAYOUT	CHAR	12	N
QUERY	LONGVAR	0	N
VAR_LIST	LONGVAR	0	N
ITEM_LIST	LONGVAR	0	N
B_C_ID	SMALLINT	2	Y
B_C_NAME	SMALLINT	2	Y
B_C_ADDR1	SMALLINT	2	Y
B_C_ADDR2	SMALLINT	2	Y
B_C_CITY	SMALLINT	2	Y
B_C_STATE	SMALLINT	2	Y
B_C_ZIP	SMALLINT	2	Y
B_C_COUNTRY	SMALLINT	2	Y
B_C_PHONE	SMALLINT	2	Y
B_C_FAX	SMALLINT	2	Y
B_C_FISCAL_CODE	SMALLINT	2	Y
LEVEL	SMALLINT	2	N
DRIVER	CHAR	8	Y
PORT	CHAR	20	Y

Primary Index: report_id

REPORT DETAIL

Field Name	Coltype	Length	Nulls
REPORT_ID	CHAR	10	N
VAR_ID	CHAR	3	N
SEMANTIC	CHAR	30	N

Primary Index: report_id + var_id

SHORT_ACCOUNT

Field Name	Coltype	Length	Nulls
SHORT_CODE	CHAR	4	N
ACCOUNT_ID	CHAR	10	N

Primary Index: short_code

SHORT_CONTRACT

Field Name	Coltype	Length	Nulls
SHORT_CODE	CHAR	4	N
CONTRACT_ID	CHAR	12	N

Primary Index: short_code

SHORT_PRODUCT

Field Name	Coltype	Length	Nulls
SHORT_CODE	CHAR	4	N
PRODUCT_ID	CHAR	12	N

Primary Index: short_code

SHORT_VEHICLE

Field Name	Coltype	Length	Nulls
SHORT_CODE	CHAR	4	N
VEHICLE_ID	CHAR	12	N

Primary Index: short_code

TARE

Field Name	Coltype	Length	Nulls
VEHICLE_ID	CHAR	12	N
TARE_ID	INTEGER	4	N
DESCRIPTION	CHAR	30	Y
TRACTOR	CHAR	12	Y
TARE	FLOAT		N
SCALE_ID	CHAR	3	N
EXPIRE_DATE	DATE	4	Y
CONSECUTIVE	INTEGER	4	N
TRAILER	CHAR	12	Y

Primary Index: vehicle_id + tare_id

TAX

Field Name	Coltype	Length	Nulls
TAX_ID	CHAR	2	N
DESCRIPTION	CHAR	30	Y
VALUE	FLOAT		N

Primary Index: tax_id

TRANSACTION

Field Name	Coltype	Length	Nulls
TRANS_NO	INTEGER	4	N
STATUS	CHAR	1	N
VEHICLE_ID	CHAR	12	N
CONTAINER_ID	CHAR	10	Y
COMPANY_ID	CHAR	3	Y
ACCOUNT_ID	CHAR	10	Y
PRODUCT_ID	CHAR	12	Y
CONTRACT_ID	CHAR	12	Y
OPERATION	CHAR	1	Y
REMARK	CHAR	30	Y
SHIP_ID	CHAR	10	Y
PAYMENT	CHAR	1	Y
WT_UNIT	CHAR	2	Y
TARE_ID	INTEGER	4	Y
CONTAINER_TARE	FLOAT		Y
IN_SCALE	CHAR	3	Y
IN_WEIGHT	FLOAT		Y
IN_CONSEC	INTEGER	4	Y
IN_DATETIME	TIMESTMP	10	Y
IN_OPERATOR_ID	CHAR	10	Y
OUT_SCALE	CHAR	3	Y
OUT_WEIGHT	FLOAT		Y
OUT_CONSEC	INTEGER	4	Y
OUT_DATETIME	TIMESTMP	10	Y
OUT_OPERATOR_ID	CHAR	10	Y
PIECES	INTEGER	4	Y
NET_WEIGHT	FLOAT		Y
AMOUNT	FLOAT		Y
ADD_PRICE	FLOAT		Y
TAX1	FLOAT		Y
TAX2	FLOAT		Y
TOTAL	FLOAT		Y
V_OPERATOR_ID	CHAR	8	Y
TRANSIENT	CHAR	1	Y
TRANS_UNDO_ID	INTEGER	4	Y
SPLIT_LOAD	INTEGER	4	Y
DISCOUNT	FLOAT		Y
SPARE2	CHAR	16	Y
SPARE1	CHAR	16	Y
SPARE3	CHAR	16	Y
SPARE4	CHAR	16	Y
REMARK2	CHAR	30	Y
SPARE5	FLOAT		N

SPARE6	FLOAT		N
SPARE10	CHAR	254	Y
SPARE11	CHAR	254	Y
SPARE12	CHAR	254	Y
SPARE13	CHAR	254	Y
TRUCK_ONLY	SMALLINT		
MASTER_TRANS_NO	FLOAT	8	Y
LOAD_NO	FLOAT	8	Y
SAMPLE_ID	CHAR	10	
SAMPLE_OWNER	CHAR	10	
SAMPLE_RESULT	CHAR	254	
WEIGHMENT	INTEGER		
STATUS_MOD	CHAR	1	
TICKET_IN	CHAR	10	N
TICKET_OUT	CHAR	10	N

Primary Index: trans_no

MASTER_TRANS

Field Name	Coltype	Length	Nulls
MASTER_TRANS_NO	FLOAT	8	Y
TRANS_NO	FLOAT	8	Y
LOAD_NO	FLOAT	8	Y
LOAD1	FLOAT	8	Y
LOAD2	FLOAT	8	Y
LOAD3	FLOAT	8	Y
LOAD4	FLOAT	8	Y
LOAD5	FLOAT	8	Y
LOAD6	FLOAT	8	Y
LOAD7	FLOAT	8	Y
LOAD8	FLOAT	8	Y
LOAD9	FLOAT	8	Y
LOAD10	FLOAT	8	Y

Primary Index: trans_no

Advanced Module Tables

EXTD_TRANS

Field Name	Coltype	Length	Nulls
TRANS_NO	CHAR	15	N
TBL1_ID	CHAR	10	Y
TBL1_DESCR	CHAR	40	Y
TBL2_ID	CHAR	10	Y
TBL2_DESCR	CHAR	40	Y
TBL3_ID	CHAR	10	Y
TBL3_DESCR	CHAR	40	Y
TBL4_ID	CHAR	10	Y
TBL4_DESCR	CHAR	40	Y
TBL5_ID	CHAR	10	Y
TBL5_DESCR	CHAR	40	Y
TBL6_ID	CHAR	10	Y
TBL6_DESCR	CHAR	40	Y
TBL7_ID	CHAR	10	Y
TBL7_DESCR	CHAR	40	Y
TBL8_ID	CHAR	10	Y
TBL8_DESCR	CHAR	40	Y
TBL9_ID	CHAR	10	Y
TBL91_DESCR	CHAR	40	Y
TBL10_ID	CHAR	10	Y
TBL10_DESCR	CHAR	40	Y
TBL11_ID	CHAR	10	Y
TBL11_DESCR	CHAR	40	Y
TBL12_ID	CHAR	10	Y
TBL12_DESCR	CHAR	40	Y
TBL13_ID	CHAR	10	Y
TBL13_DESCR	CHAR	40	Y
TBL14_ID	CHAR	10	Y
TBL14_DESCR	CHAR	40	Y
TBL15_ID	CHAR	10	Y
TBL15_DESCR	CHAR	40	Y
CARRIER_ID	CHAR	10	Y
CONVER_UNIT	VARCHAR	5	Y
CONVER_WEIGHT	FLOAT		Y
IN_SCALE1	CHAR	3	Y
OUT_SCALE1	CHAR	3	Y
IN_SCALE2	CHAR	3	Y
OUT_SCALE2	CHAR	3	Y
IN_SCALE3	CHAR	3	Y

OUT_SCALE3	CHAR	3	Y
IN_SCALE4	CHAR	3	Y
OUT_SCALE4	CHAR	3	Y
IN_WEIGHT1	FLOAT		Y
OUT_WEIGHT1	FLOAT		Y
IN_WEIGHT2	FLOAT		Y
OUT_WEIGHT2	FLOAT		Y
IN_WEIGHT3	FLOAT		Y
OUT_WEIGHT3	FLOAT		Y
IN_WEIGHT4	FLOAT		Y
OUT_WEIGHT4	FLOAT		Y

Primary Index: Trans_no

SAMPLING

Field Name	Coltype	Length	Nulls
SAMPLE_ID	VARCHAR	10	N
DESCRIPTION	VARCHAR	50	Y
ITEM	VARCHAR	12	N
ITEM_TYPE	CHAR	1	N
TYPE	CHAR	1	N
UNIT	CHAR	1	Y
VALUE	FLOAT		Y
LOADS	FLOAT		Y
WEIGHT	FLOAT		Y
RANDOM	FLOAT		Y
OWNER	CHAR	1	N
TRANS_NO	FLOAT		Y
TICKET	SMALLINT	2	Y
BLOCK	SMALLINT	2	Y
MODE	CHAR	8	N

Primary Index: SAMPLE_ID

TRANS_SAMPLED

Field Name	Coltype	Length	Nulls
TRANS_NO	FLOAT		N
SAMPLE_ID	VARCHAR	10	N
OWNER	CHAR	1	N
RESULT	VARCHAR	254	Y

Primary Index: Owner+Sample_id + Trans_no

PRODUCT_SURCHARGES

Field Name	Coltype	Length	Nulls
PRODUCT_ID	VARCHAR	12	N
SURCHARGES_ID	VARCHAR	10	N

Primary Index: Product_id + Surcharges_id

SURCHARGES

Field Name	Coltype	Length	Nulls
SURCHARGES_ID	VARCHAR	10	N
DESCRIPTION	VARCHAR	50	Y
TYPE	CHAR	1	N
VALUE	FLOAT		Y

Primary Index: Surcharges_id

GROUPS

Field Name	Coltype	Length	Nulls
GROUP_ID	CHAR	15	N
TYPE	CHAR	1	N
DESCRIPTION	CHAR	30	Y

Primary Index: group_id

GROUPS_PRESET

Field Name	Coltype	Length	Nulls
ACCOUNTGR	CHAR	15	N
CONTRACTGR	CHAR	15	N
CARRIERGR	CHAR	15	N
PRODUCTGR	CHAR	15	N
VEHICLEGR	CHAR	15	N

Primary Index: accountgr + contractgr + carriergr + productgr + vehiclegr

GROUP_ACCOUNT

Field Name	Coltype	Length	Nulls
ACCOUNT_ID	CHAR	10	N
GROUP_ID	CHAR	15	N

Primary Index: account_id + group_id

GROUP_CARRIER

Field Name	Coltype	Length	Nulls
CARRIER_ID	CHAR	10	N
GROUP_ID	CHAR	15	N

Primary Index: carrier_id + group_id

GROUP_CONTRACT

Field Name	Coltype	Length	Nulls
CONTRACT_ID	CHAR	10	N
GROUP_ID	CHAR	15	N

Primary Index: contract_id + group_id

GROUP_PRODUCT

Field Name	Coltype	Length	Nulls
PRODUCT_ID	CHAR	10	N
GROUP_ID	CHAR	15	N

Primary Index: product_id + group_id

GROUP_VEHICLE

Field Name	Coltype	Length	Nulls
VEHICLE_ID	CHAR	12	N
GROUP_ID	CHAR	15	N

Primary Index: vehicle_id + group_id

TABLE1

Field Name	Coltype	Length	Nulls
TBL_ID	CHAR	10	N
DESCRIPTION	CHAR	40	Y
INFO1	CHAR	50	Y
INFO2	CHAR	50	Y
INFO3	CHAR	50	Y

Primary Index: TBL_ID

TABLE2

Field Name	Coltype	Length	Nulls
TBL_ID	CHAR	10	N
DESCRIPTION	CHAR	40	Y
INFO1	CHAR	50	Y
INFO2	CHAR	50	Y
INFO3	CHAR	50	Y

Primary Index: TBL_ID

TABLE3

Field Name	Coltype	Length	Nulls
TBL_ID	CHAR	10	N
DESCRIPTION	CHAR	40	Y
INFO1	CHAR	50	Y
INFO2	CHAR	50	Y
INFO3	CHAR	50	Y

Primary Index: TBL_ID

TABLE4

Field Name	Coltype	Length	Nulls
TBL_ID	CHAR	10	N
DESCRIPTION	CHAR	40	Y
INFO1	CHAR	50	Y
INFO2	CHAR	50	Y
INFO3	CHAR	50	Y

Primary Index: TBL_ID

TABLE5

Field Name	Coltype	Length	Nulls
TBL_ID	CHAR	10	N
DESCRIPTION	CHAR	40	Y
INFO1	CHAR	50	Y
INFO2	CHAR	50	Y
INFO3	CHAR	50	Y

Primary Index: TBL_ID

TABLE6

Field Name	Coltype	Length	Nulls
TBL_ID	CHAR	10	N
DESCRIPTION	CHAR	40	Y
INFO1	CHAR	50	Y
INFO2	CHAR	50	Y
INFO3	CHAR	50	Y

Primary Index: TBL_ID

TABLE7

Field Name	Coltype	Length	Nulls
TBL_ID	CHAR	10	N
DESCRIPTION	CHAR	40	Y
INFO1	CHAR	50	Y
INFO2	CHAR	50	Y
INFO3	CHAR	50	Y

Primary Index: TBL_ID

TABLE8

Field Name	Coltype	Length	Nulls
TBL_ID	CHAR	10	N
DESCRIPTION	CHAR	40	Y
INFO1	CHAR	50	Y
INFO2	CHAR	50	Y
INFO3	CHAR	50	Y

Primary Index: TBL_ID

TABLE9

Field Name	Coltype	Length	Nulls
TBL_ID	CHAR	10	N
DESCRIPTION	CHAR	40	Y
INFO1	CHAR	50	Y
INFO2	CHAR	50	Y
INFO3	CHAR	50	Y

Primary Index: TBL_ID

TABLE10

Field Name	Coltype	Length	Nulls
TBL_ID	CHAR	10	N
DESCRIPTION	CHAR	40	Y
INFO1	CHAR	50	Y
INFO2	CHAR	50	Y
INFO3	CHAR	50	Y

Primary Index: TBL_ID

TABLE11

Field Name	Coltype	Length	Nulls
TBL_ID	CHAR	10	N
DESCRIPTION	CHAR	40	Y
INFO1	CHAR	50	Y
INFO2	CHAR	50	Y
INFO3	CHAR	50	Y

Primary Index: TBL_ID

TABLE12

Field Name	Coltype	Length	Nulls
TBL_ID	CHAR	10	N
DESCRIPTION	CHAR	40	Y
INFO1	CHAR	50	Y
INFO2	CHAR	50	Y
INFO3	CHAR	50	Y

Primary Index: TBL_ID

TABLE13

Field Name	Coltype	Length	Nulls
TBL_ID	CHAR	10	N
DESCRIPTION	CHAR	40	Y
INFO1	CHAR	50	Y
INFO2	CHAR	50	Y
INFO3	CHAR	50	Y

Primary Index: TBL_ID

TABLE14

Field Name	Coltype	Length	Nulls
TBL_ID	CHAR	10	N
DESCRIPTION	CHAR	40	Y
INFO1	CHAR	50	Y
INFO2	CHAR	50	Y
INFO3	CHAR	50	Y

Primary Index: TBL_ID

TABLE15

Field Name	Coltype	Length	Nulls
TBL_ID	CHAR	10	N
DESCRIPTION	CHAR	40	Y
INFO1	CHAR	50	Y
INFO2	CHAR	50	Y
INFO3	CHAR	50	Y

Primary Index: TBL_ID

Appendix 2: Vehicle Processing Screen Objects

The table shown below lists the objects that are available for the WinBridge Vehicle Processing screen. They are located on the Vehicle Processing screen or in the resource file in the section starting with the string "Form Window: frmWinBridge."

The third column of the table contains the database field that is connected to the screen object. For the use and meaning of these fields, refer to the database structure.

New objects for release 1.3.9:

Data Field: dfMasterTransNo
Background Text: Master
Data Field: dfLoadNo
Background Text: Load
Check Box: 1
Background Text: Truck
C_pb Text: UAPrint
Check Box: Validate Date

Item	Action/Purpose	DB Reference Field
Toolbar Items		
Pushbutton: pbClose	Close WinBridge	
Pushbutton: pbHelp	Activate on-line help	
Pushbutton: pbSearch	Activate search on main tables	
Pushbutton: pbOpenTrans	Show open transactions	
Pushbutton: pbTareWeight	Use preset tare weight for weighing	
Pushbutton: pbWeight1	Get weight from scale 1	
Pushbutton: pbWeight2	Get weight from scale 2	
Pushbutton: pbWeight3	Get weight from scale 3	
Pushbutton: pbWeight4	Get weight from scale 4	
Pushbutton: pbManual	Insert weight manually	
Pushbutton: pbTare	Weigh vehicle to store as vehicle tare	
Pushbutton: pbWeightVirtual	Virtual weight indicator	
Pushbutton: pbReport	Open report list to run	

	selected report	
Pushbutton: pbTicket	Print ticket	
Pushbutton: pbCalc	Activate Windows calculator	
Pushbutton: pbPreset	Use presets for current field	
Pushbutton: pbContract	Enable/disable contract use	
Pushbutton: pbSplitLoad	Use split load function	
Pushbutton: pbOnePassage	Enable/disable one-passage weighing	
Picture: picDay	Picture used for day repres.	
Picture: picTime	Picture used for time repres.	
Data Field: dfDay	Current day field	
Data Field: dfTime	Current time field	
Data Field: dfMonth	Current month field	
Text: Tr. N.	Transaction number text	
Data Field: dfTransNumber	Current transaction number	TRANSACTION.TRANS_NO
Pushbutton: pbSem	Activates the traffic lights control	
Data Field: dfInMan	First traffic light identifier	
Pushbutton: pbManInRed	Man. control of first traffic lights sw. to red	
Pushbutton: pbManInGreen	Man. Control of first tr. lights sw. to green	
Data Field: dfOutMan	Second traffic light identifier	
Pushbutton: pbManOutRed	Man. Contr. of second tr. lights sw. to red	
Pushbutton: pbManOutGreen	Man. Contr. of second tr. lights sw. to green	
Data Field: dfManLights	Indication of Tr. lights in manual control	
Data Field: dfScMan	Scale selector identifier	
Combo Box: mbNscaleLight	Scale selector combo box	
Data Field: dfMasterTransNo	Master transaction number	
Background Text: Master	Text used with master transaction number	
Data Field:dfLoadNo	Load number	
Background Text: Load	Text used with load number	
C_pb Text: UAPrint	Text for unattended print push button	
Contract		
Group Box: Contract	Contract fields group	
Combo Box: cmbContractId	Select or type contract ID	CONTRACT_CONTRACT_ID
Data Field: dfMaxWeight	Maximum weight under contract/product	CONTRACT_DETAIL.MAX_WEIGHT
Data Field: dfAccWeight	Delivered weight under contract/product	CONTRACT_DETAIL.ACC_WEIGHT

Customer		
Group Box: Customer	Customer fields group	
Combo Box: cmbAccountId	Select or type Account ID	ACCOUNT.ACCOUNT_ID
Combo Box: cmbAccountName	Customer name field	ACCOUNT.ACCOUNT_NAME
Combo Box: cmbShipAddr	Select or type shipping address	ACCOUNT_DETAIL.NAME
Product		
Group Box: Product	Product fields group	
Combo Box: cmbProductId	Select or type Product ID	PRODUCT.PRODUCT_ID
Cmb Box: cmbProductDescription	Product description field	PRODUCT.DESCRIPTION
Pushbutton: pbAccWeight	Current quantities for the currently selected product	
Vehicle		
Group Box: Vehicle	Vehicle fields group	
Combo Box: cmbVehicleId	Select or type Vehicle ID	VEHICLE.VEHICLE_ID
Data Field: dfVehicDescr	Vehicle description field	VEHICLE.DESCRIPTION
Data Field: dfMinLegalWeight	Vehicle minimum weight	VEHICLE.MIN_LEGAL_WEIGHT
Data Field: dfMaxLegalWeight	Vehicle maximum weight	VEHICLE.MAX_LEGAL_WEIGHT
Group Box: Tare	Tare fields group	
Data Field: dfTareId	Tare ID field	TARE.TARE_ID
Data Field: dfTare	Current tare weight field	TARE.TARE
Combo Box: cmbContainerId	Select or type Container ID	CONTAINER.CONTAINER_ID
Data Field: dfContTara	Container tare weight	CONTAINER.TARE
Horizontal Scroll Bar: sbTare	Scroll bar under tare ID (used for scrolling through existing vehicle tares)	
Picture: picTrc	Vehicle tractor picture	
Horizontal Scroll Bar: sbTrc	Scroll bar under tractor picture (used for scrolling through existing pictures)	
Picture: picTrl	Vehicle trailer picture	
Horizontal Scroll Bar: sbTrl	Scroll bar under trailer picture (used for scrolling through existing pictures)	
Check Box: 1	Truck Only check box	
Background Text: Truck	Text used with Truck Only check box	
Transaction		
Group Box: Transaction	Transaction fields group	
Data Field: dfInDateTime	In weight date & time	TRANSACTION.IN_DATETIME

Data Field: dfInWeight	In weight value	TRANSACTION.IN-WEIGHT
Background Text: In	Fixed text: IN	
Data Field: dfOutDateTime	Out weight date & time	TRANSACTION.OUT_DATETIME
Data Field: dfOutWeight	Out weight value	TRANSACTION.OUT_WEIGHT
Background Text: Out	Fixed text: OUT	
Combo Box: cmbOperation	Select/change weight operation (Ship/Receive)	TRANSACTION.OPERATION
Data Field: dfNetUnit	Net weight value	TRANSACTION.NET_WEIGHT
Group Box: Amount	Price fields group	
Data Field: dfAmount	Sum of product price and add price; Price before tax	TRANSACTION.AMOUNT
Data Field: dfUnitPrice	Price per unit field	PRODUCT.UNIT_PRICE
Data Field: dfAddPrice	Additional price	TRANSACTION.ADD_PRICE
Data Field: dfTax1	Value of Tax 1	TRANSACTION.TAX1
Data Field: dfTax2	Value of Tax 2	TRANSACTION.TAX2
Data Field: dfTax1XUnit	Tax 1 value * unit	TAX.VALUE
Data Field: dfTax2XUnit	Tax 2 value * unit	TAX.VALUE
Data Field: dfTotal	Total price field	TRANSACTION.TOTAL
Picture: picPriceType	Shows weight or piece price calculation	
Background Text: Tax	Fixed text: Tax	
Background Text: Tax 2	Fixed text: Tax2	
Background Text: Add. Price	Fixed text: Additional price	
Background Text: Total	Fixed text: Total price	
Line	Fixed line	
Background Text: Discount	Fixed text	
Datafield: dfDiscount	Total discount applied	
Pushbutton: pbAddPrice	Opens the dialog for selecting the surcharges	
General		
Combo Box: cmbCompanyId	Select/change company	COMPANY.COMPANY_ID
Combo Box: cmbRemark	Select or type Remark	REMARK.DESCRIPTION
Combo Box: cmbRemark2	Select or type Remark2	REMARK2.DESCRIPTION
Pushbutton: pbAccept	Accept transaction	
Pushbutton: pbCompute	Re-compute price	
Pushbutton: pbClear	Clear screen	
Pushbutton: pbContinue	Enter next weighment	
Background Text:	Fixed text	
Background Text:	Fixed text	
Background Text:	Fixed text	
Background Text: Str4	Fixed text	
Background Text: Str5	Fixed text	
Background Text: Weighment	Weighment number	MULTIWEIGHS.WEIGHING
Line	Fixed line	

Data Field: dfUnit1	Weight unit field	used for Net Weight
Data Field: dfUnit2	Weight unit field	used for OUT weight
Data Field: dfUnit3	Weight unit field	used for IN weight
Data Field: dfUnit4	Weight unit field	used for MIN vehicle weight
Data Field: dfUnit5	Weight unit field	used for MAX vehicle weight
Data Field: dfUnit6	Weight unit field	used for MAX contract weight
Data Field: dfUnit7	Weight unit field	used for contract deliv. Wgt.
Data Field: dfUnit8	Weight unit field	used for tare
Data Field: dfUnit9	Weight unit field	used for container tare
Data Field: dfWeighment		
Picture: pic6	Fixed picture	can be used for customer logo
Background Text: max	Fixed text	
Background Text: max	Fixed text	
Background Text: deliv.	Fixed text	
Background Text: min	Fixed text	
Background Text: Net Wt	Fixed text	
Background Text: Tare n.	Fixed text	
Background Text: tax	Fixed text	
Background Text: tax2	Fixed text	
Background Text: Pr/U	Fixed text	
Data Field: dfSpare1	Spare 1 data field	TRANSACTION.SPARE1
Data Field: dfSpare2	Spare 2 data field	TRANSACTION.SPARE2
Data Field: dfSpare3	Spare 3 data field	TRANSACTION.SPARE3
Data Field: dfSpare4	Spare 4 data field	TRANSACTION.SPARE4
dfu1	Communication with DDE server	DO NOT MODIFY
dfu2	Communication with DDE server	DO NOT MODIFY
dfu3	Communication with DDE server	DO NOT MODIFY
dfu4	Communication with DDE server	DO NOT MODIFY
dfS1	Communication with DDE server	DO NOT MODIFY
dfS2	Communication with DDE server	DO NOT MODIFY
dfS3	Communication with DDE server	DO NOT MODIFY
dfS4	Communication with DDE server	DO NOT MODIFY
dflogclient	Communication with DDE server	DO NOT MODIFY
Check Box: Validate Date	Checks expiration date	
Extended Tables (Advanced Module)		
cmbCarrierID	Carrier Identifier	CARRIER.CARRIER_ID

C_Tbl1	Table 1 ID	TABLE1.TBL_ID
DF_Tbl1	Table 1 description	TABLE1.DESCRIPTION
C_Tbl2	Table 2 ID	TABLE2.TBL_ID
DF_Tbl2	Table 2 description	TABLE2.DESCRIPTION
C_Tbl3	Table 3 ID	TABLE3.TBL_ID
DF_Tbl3	Table 3 description	TABLE3.DESCRIPTION
C_Tbl4	Table 4 ID	TABLE4.TBL_ID
DF_Tbl4	Table 4 description	TABLE4.DESCRIPTION
C_Tbl5	Table 5 ID	TABLE5.TBL_ID
DF_Tbl5	Table 5 description	TABLE5.DESCRIPTION
C_Tbl6	Table 6 ID	TABLE6.TBL_ID
DF_Tbl6	Table 6 description	TABLE6.DESCRIPTION
C_Tbl7	Table 7 ID	TABLE7.TBL_ID
DF_Tbl7	Table 7 description	TABLE7.DESCRIPTION
C_Tbl8	Table 8 ID	TABLE8.TBL_ID
DF_Tbl8	Table 8 description	TABLE8.DESCRIPTION
C_Tbl9	Table 9 ID	TABLE9.TBL_ID
DF_Tbl9	Table 9 description	TABLE9.DESCRIPTION
C_Tbl10	Table 10 ID	TABLE10.TBL_ID
DF_Tbl10	Table 10 description	TABLE10.DESCRIPTION
C_Tbl11	Table 11 ID	TABLE11.TBL_ID
DF_Tbl11	Table 11 description	TABLE11.DESCRIPTION
C_Tbl12	Table 12 ID	TABLE12.TBL_ID
DF_Tbl2	Table 12 description	TABLE12.DESCRIPTION
C_Tbl3	Table 13 ID	TABLE13.TBL_ID
DF_Tbl13	Table 13 description	TABLE13.DESCRIPTION
C_Tbl14	Table 14 ID	TABLE14.TBL_ID
DF_Tbl14	Table 14 description	TABLE14.DESCRIPTION
C_Tbl15	Table 15 ID	TABLE15.TBL_ID
DF_Tbl15	Table 15 description	TABLE15.DESCRIPTION
dfConvWeight	Converted weight	CONVER_WEIGHT
dfConvUnit	Converted weight unit	CONVER_UNIT
SQLLabelsx	Converted weight label	

Appendix 3: System Messages

This appendix lists the system messages located in the **LOGMESSA.MSG** file that the application sends to the user, with a short explanation of the meaning.

WinBridge Diagnostic Message File:

Release 1.3.9 Last Modified (27.07.1999)

New messages since release 1.3.7:

01113 – 05254 – 05255 – 05286 - 05555 – 05556 – 05557 – 05558

Messages modified since release 1.3.7:

00502 - 00600

New messages since release 1.3.4:

00041 - 00042 - 00133 - 00147 - 00148 - 05100 - 05101 - 05102 - 05103 - 05104 - 05105 - 05106 - 05107

All messages from 5149 to 5289 were formerly in the executable string table.

Generic

00001 DAT I MSG_ChangeTable. *Do you really want to change table?*
This message appears during an export operation, when some rows have been selected and another table has been selected. If you continue, the previously selected table will be lost.

00002 DAT W MSG_CapacityExceded. *The system resources are critically low.*
There is not enough free memory to perform the requested operation; you should close some applications and retry.

00003 DAT I MSG_Update. *Update this record?*
The current record has been modified. Answer 'Yes' to apply your changes, 'No' to cancel.

00004 DAT I MSG_Insert. *Insert this record?*
Answer 'Yes' to insert a new record in the database.

00005 DAT I MSG_NoRecFound. *No records meet the search criteria.*
A query has been made, but there are no records in the database that match with the typed string.

00006 DAT W MSG_RecChanged. *This record has been changed by another user. Do you wish to reselect it?*

This message appears in a network installation only when another user modifies the record while you are modifying it. You can re-query the database and re-apply the changes.

00007 DAT W MSG_DuplicateKey. *Duplicate key detected. Retry with a different key!*
The primary key of a record must be unique. The ID of the record you are inserting already exists in the database. It must be changed to insert the record.

00008 DAT W MSG_ConfirmDelete. *Are you sure you wish to delete this record?*
You selected a record for deletion. Confirm before proceeding.

00009 DAT F MSG_SQLBaseRequired. *A SQLBase database is needed!*
An SQL Database could not be found. No other databases are supported by the application.

00010 DAT F MSG_ConnectError. *Error connecting to database!*
The application could not connect to the database. The database path is not correctly defined.

00011 DAT W MSG_TaxNotValid. *Value NOT allowed!*
The value you entered is not valid for the TAX field.

00012 DAT W MSG_LevelPos. *Level must be not null and must have positive value.*
The report level which was entered is not valid (only positive values are allowed).

00013 VEH W MSG_Required. *%s Required!*
Generic error message sent because a mandatory field was not inserted (for instance 'Vehicle required').

00014 DAT W MSG_CloseForm. *Close current window before opening a new one!*
The active window must be closed before you can open a new one. Only one table can be open at a time.

00015 VEH W MSG_NotEntered. *Value NOT entered in this field!*
The field is mandatory. You must enter a value before inserting the record in the database.

00016 DAT I MSG_ReLog. *The changes will take effect after new login! Close Now?*
One or more system parameters have been changed. The system needs to be restarted to apply the changes.

00017 DAT W MSG_NotFound. *%s NOT found or correctly defined!*
A reference exists to a field that does not exist in the database.

00018 DAT W MSG_NotExisting. *%s NOT Existing!*
The specified item does not exist in the database.

00019 DAT W MSG_VI Empty. *Variables or Items empty.*
The Variables field or the Items field in a report is empty.

00020 DAT W MSG_RecsModified. *Some records have been changed by another user. Try with a new search!*
Search was not successful because records have been modified by another user.

00021 DAT I MSG_OvLay. *Already existing layout. Overwrite?*
The report layout already exists. If you confirm, you will lose all previous definitions.

00023 SCA F MSG_ScaleFailure. *Weight reading from scale %s failed! Retry!*
The weight string was not received correctly. Retry.

00024 DAT W MSG_DeleteOrNot. *Delete the file %s?*
The application will delete a file and asks for a confirmation before proceeding.

Tare

00030 DAT W MSG_NoBmpTrack. *Truck bitmaps not available*
The application cannot find the bitmap files containing the truck images.

00031 DAT W MSG_NoBmpTrail. *Trailer bitmaps not available*
The application cannot find the bitmap files containing the trailers.

00032 VEH I MSG_TaUpdate. *Existing tare. Update it?*
A tare is to be stored with an existing tare identifier. Answer 'Yes' to update it with the new values or 'No' to leave it unchanged (in this case you can insert a different Identifier).

Scale Messages

00040 SCA W MSG_NoZeroed. *Scale %s was not zeroed!*
This message appears when the Pass Zero function is enabled and weight on the scale did not reach zero between two consecutive weighings. There might be something wrong in the weighing operation.

00041 SCA W MSG_OverWithoutStable. *Unidentified vehicle on the scale.*
A vehicle has been on the scale that was not identified nor weighed.

00042 SCA W MSG_StableWithoutAccept. *Unidentified vehicle on scale weighing %s Kg.*
A vehicle has been on the scale that was not identified; its stable weight was detected.

Backup Operations

00050 DAT W MSG_NoServer. *Server %s not present.*
A backup has been started but the database server is not responding.

00051 DAT W MSG_BckError. ERROR: *The %s backup was not performed.*
The database backup was not performed correctly; check the path and the database integrity.

00052 DAT S MSG_BckOk. *%s backup done.*
The database backup was successfully performed.

00053 DAT S MSG_Roll. *Database restored. Click Ok to update the database with changes made after backup!*
The database was successfully recovered. Clicking 'OK' will also restore the changes made after the latest database backup.

00054 DAT W MSG_NoRoll. *ERROR: Operation aborted.*
The database recovery was not successful.

00055 DAT S MSG_UpDate. *Database is now Up-to-date.*
The database recovery was successful; now the database is up-to-date.

Log File Cleaning

00060 DAT W MSG_CleanError. *The alarm files were not found!*
It was not possible to find the alarm files. The files were not deleted successfully.

00061 DAT S MSG_Clean. *%s log files deleted!*
The alarm files were successfully deleted.

DataBase Connection

00070 LOG S MSG_DbConnect. *Connected to %s user %s.*
The message tells which user connected to database.

00071 LOG F MSG_DbCnnGvUp. *User %s gave up connecting to %s.*
The specified user aborted the connection to the specified database.

00072 LOG S MSG_DbDisconnect. *User %s disconnected from %s.*
The specified user disconnected from the database.

00073 LOG S MSG_LogOn. *Logbackup flag is set on for %s DB.*
The journal function for the database is turned on.

Transaction

00080 VEH I MSG_CloseTransaction. *Void transaction %s ?*
A confirmation is required before voiding a transaction.

00081 VEH S MSG_TransactionDeleted. *Transaction %s voided!*
The transaction was successfully voided.

00085 VEH I MSG_UndoTransaction. *Modify transaction %s?*
A confirmation is required to modify the transaction.

00086 VEH S MSG_TransactionChanged. *Transaction n. %s modified by Operator %s!*
The transaction was modified by the specified operator.

00087 VEH W MSG_NotUndoTransaction. *Transaction %s was NOT modified!*
The modify operation was not performed.

Operator Log In/Out

00101 LOG S MSG_WbCnnOk. *Operator %s logged on.*
The specified operator logged on successfully.

00102 LOG W MSG_OprOrPswWrn. *Operator %s tried to log on with %s password.*
The specified operator tried to log on using the specified password.

00103 LOG W MSG_WbCnnWrn. *Operator or password wrong.*
A wrong operator-password combination was entered and system will not allow user to log-on.

00104 LOG W MSG_PswExp. *Password expired for user %s.*
The password is no longer valid for the specified user.

00105 LOG S MSG_WbDsc. *Operator %s logged off.*
The specified operator logged off from the system.

00106 LOG W MSG_PswRq. *Password required for Operator %s.*
A password must be entered to log on as the specified operator.

Vehicle Processing

00125 VEH W MSG_PassExcedet. *Total weight exceeded for contract %s and product %s.*
This message appears on the alarm file. The maximum weight for the specified contract-product couple was exceeded.

00126 VEH W MSG_WeightInIllegal. *In weight illegal.*
The first weighing is not accepted because it exceeds the maximum or minimum vehicle weight limits.

00127 VEH W MSG_WeightOutIllegal. *Out weight illegal.*
The second weighing is not accepted because it exceeds the maximum or minimum vehicle weight limits.

00129 VEH W MSG_SearchNotValidFor. *Sensitive search not valid for %s.*
The sensitive search is not allowed on the selected object.

00130 VEH W MSG_WeightAccExcedet. *Max. quantity has been reached for this contract/product!*
The vehicle weight exceeds the maximum weight specified for the contract ID being used.

00131 DAT I MSG_SaveYourChanges. *Save your changes?*
Configurator program asks to save all changes at the end of session.

00132 VEH W MSG_WeightTare. *Weight lower than tare!*
The vehicle weight is lower than the stored tare.

00133 VEH I MSG_ManualTare. *Weight from scale %s was read! You can now enter the manual tare:*

The current weight has been read from selected scale. You must now enter a manual tare (one passage with manual tare operating mode).

00134 VEH W MSG_MinimumRequired. *Illegal weight: minimum required %s.*
You must enter a weight higher than the specified minimum value.

00135 VEH I MSG_VehInTr. *Vehicle %s is already in! Load the open transaction?*
There is an open transaction for the selected vehicle. Do you want to load the data of the open transaction?

00136 VEH W MSG_DisCust. *Customer temporarily disabled.*
The specified customer has been disabled by the administrator and cannot be used in a transaction.

00137 VEH W MSG_Abort. *Transaction Aborted. Retry!*
This message shows up in the unattended processing, when the dialog boxes have been disabled from the screen and they are logged in the alarms file. Some data were not consistent in the transaction. The transaction was not successful.

00138 VEH W MSG_ValInvalid. *Value not valid!*
The value entered in a field cannot be accepted.

00139 VEH W MSG_WeightExceedIn. *Tare is higher than in weight.*
The in weight must be lower than the stored tare for the vehicle.

00140 VEH W MSG_WeightExceedOut. *Tare is higher than out weight.*
The out weight must be lower than the stored tare for the vehicle.

00141 VEH W MSG_ExcCredit. *Max credit exceeded for customer %s!*
The actual credit of the specified customer has exceeded the maximum credit assigned.

00142 VEH W MSG_NoTicket. *Ticket not found in database!*
The ticket defined for the customer was not found in the Report table.

00143 VEH W MSG_NoLastTicket. *Last ticket or transaction not available!*
The 'Print last ticket' function was requested but there is no ticket format available (probably no ticket had to be printed).

00144 VEH W MSG_DisCont. *Contract temporarily disabled.*
The contract was disabled by the administrator or has expired.

00145 VEH W MSG_DisProd. *Product temporarily disabled.*
The product has been disabled by the supervisor.

00146 DAT F MSG_DuplInvalid. *The ticket layout was modified! Input variable 'sDuplicate' not present!*
The variable "sDuplicate" was removed from the ticket. Please ask technical support for further information.

00147 VEH W MSG_VehExp. *License expired for Vehicle %s.*
The transportation license of the vehicle has expired.

00148 VEH W MSG_ConExp. *Contract %s expired.*
The contract has expired.

Import Operations

00200 DAT S MSG_ImpOk. *Successfully imported %s row(s) into %s table*
The specified number of rows were successfully imported in the specified table.

00201 DAT W MSG_ImpErrorInfo. *Error found in information import file.*
An error was detected in the information import file (.exp).

00202 DAT W MSG_ImpErrorDat. *Error found in data import file.*
An error was detected in the data import file (.dat).

00203 DAT W MSG_FilDef. *Do you want to use the default data file %s?*
Do you want to use the default data file (the .dat file with the same name as the .exp) for the import/export operation?

00204 DAT W MSG_DifCol. *Import info file has a wrong number of columns.*
The number of the columns of the table you specified as the target of the operation does not match the number of columns in the source file.

00205 DAT W MSG_TypUnkn. *%s is an invalid column type.*
The specified column type in .exp file is not valid.

00206 DAT W MSG_InpWrong. *Invalid number of inputs.*
The file to import from contains a wrong number of fields, or a ';' has been used as a field content.

00207 DAT W MSG_NoLoad. *No records loaded into %s table.*
No records were added to the table.

00208 DAT W MSG_DbImpEr. *Data in import file do not match with data types.*
The import data file contained some wrong data (for instance, alphanumeric characters in a numeric field) or the fields selected do not include the mandatory fields.

00209 DAT W MSG_NoImpOk. *Not imported %s row(s) into %s table because already present!*
Some rows were not imported because a record with the same ID is already present in the table (you cannot have duplicate keys).

Export Operations

00210 DAT S MSG_ExpOk. *%s row(s) were successfully exported from table %s.*
The export operation was successfully performed.

Transaction Export

00220 DAT F MSG_NoExpo. *Export operation not performed!*
The export operation could not be performed.

00221 DAT S MSG_ExpTrOk. *Successfully exported %s row(s).*
The export operation was successfully performed.

00222 DAT I MSG_TimeToExportTr. *The last transaction export is older than %s day(s). You should perform this operation now!*
The application prompts you to export transactions when it reaches a preset number of days since the last export.

Global Import/Export

00251 DAT S MSG_OkTotal. *Operation performed correctly. All tables imported!*
All tables in the database were correctly imported.

00252 DAT F MSG_TotError. *Not all tables were correctly imported!*
One or more errors occurred in the global import.

00253 DAT F MSG_AbortImport. *File not valid! Operation Aborted.*
The specified file does not contain valid information. The operation was aborted.

00254 DAT S MSG_OpenTable. *Opening table %s.*
The specified table is being opened.

00255 DAT S MSG_CloseTable. *Table %s exported!*
The specified table was successfully exported.

00256 DAT F MSG_ColumnError. *Fatal error importing data in table %s. Number of columns different from number of types. Table skipped!*
The number of columns in the import file does not match the number of types in the target table. The table was not imported.

00257 DAT F MSG_DifferentInput. *Fatal error importing data in table %s. Wrong number of input data. Table skipped!*
The specified table was not imported because the number of the fields in the import file was wrong.

00258 DAT F MSG_DifferentTypes. *Fatal error importing data in table %s. Wrong data type. Table skipped!*
The specified table was not imported because the import file contains some invalid data.

Manual Weighing

00300 DAT W MSG_NoManualProd. *Manual weighing not allowed on product %s!*
The product was defined without enabling the manual weighing. One of the automatic scales must be used.

WBRIDGE.INI File Reading

00364 DAT F MSG_ReadSiteInf. *Error reading ini file (Site Information).*
00365 DAT F MSG_WriteSiteInf. *Error writing ini file (Site Information).*
00366 DAT F MSG_ReadSetupPort. *Error reading ini file (Port Setup).*
00367 DAT F MSG_WriteSetupPort. *Error writing inii file (Port Setup).*
00368 DAT F MSG_ReadExchangeConf. *Error reading ini file (Change Conf).*
00369 DAT F MSG_WriteExchangeConf. *Error writing ini file (Change Conf).*

Presets

00380 VEH W MSG_PresetNotAvailable. *Preset not available for a null value.*
The preset button was pressed but the cursor is positioned on an empty field. Fill in the field or move the cursor to another field and retry.

00381 VEH W MSG_InvRel. *Invalid relationship: %s.*
There is an invalid relationship between contract, product, and customer. Correct and retry.

00382 VEH W MSG_GiaPreset. *Preset already present for %s.*
You cannot have more than one preset for a given item. You get this message when you try to insert a new preset in the table and another preset is already present for that item.

00383 VEH W MSG_VehIn. *Vehicle already in!*
The vehicle is already in, so you cannot override the actual values with the preset values.

00384 VEH W MSG_InvOperPr. *Invalid operation.*
You activated the preset button while the cursor was positioned on a field other than Vehicle, Account, Product, or Contract.

00385 VEH W MSG_NoPreset. *Preset not defined.*
You pressed the preset button but no preset is defined for the current item. Define the preset and retry.

Price Formula

00400 DAT W MSG_ErrFormPcs. *The product is evaluated in pieces!*
Your formula contains the NET variable, but you specified that the product must be evaluated in pieces. Correct the formula or modify the product table.

00401 DAT W MSG_ErrFormNet. *The product is evaluated on the base of Net weight!*
Your formula contains the PCS variable, but you specified that the product must be evaluated by weight. Correct the formula or modify the Product table.

00402 DAT W MSG_NoAdvanced. *Advanced pricing not allowed with PIECES!*
The advanced pricing mode is not allowed for pieces.

00403 DAT W MSG_ValuesChanged. *Some incorrect values were modified!*
Some values in the price definition have been modified because they were incorrect.

View Log Module

00420 DAT W MSG_InvDate. *Invalid date.*
You tried to retrieve a date that is not present in the log file.

00421 DAT W MSG_NoLog. *Log file not found.*
The log file was not found.

Modify Transaction Function

00440 VEH W MSG_UnChanged. *No Change was made.*
You selected the modify option, but no modifications were inserted.

00441 VEH W MSG_StockEr. *Stock level not updated!*
The stock level in the product table was not updated.

00442 VEH I MSG_TransVeh. *Unknown vehicle! Is it a transient one?*
The vehicle you specified is not present in the table. The application asks if it is a transient (see also message 00443).

00443 VEH I MSG_NewVeh. *Do you want define a new vehicle?*
You specified a vehicle not present in the table and pressed "no" at the application prompt (see message 00442). Now you can insert it in the table.

00445 VEH W MSG_ErInFormula. *Computation Error In (%s).*
Something is wrong in the formula syntax.

00446 VEH W MSG_InvPieces. *Insert a valid number of pieces.*
You specified an invalid number of pieces (for instance a negative number).

00447 VEH W MSG_NoPorWFormula. *Specify if Pieces or Weight!*
The formula does not contain any variables (NET or PCS). At least one must be present.

00450 SCA W MSG_UnitWeight. *Invalid Weight Unit!*
You specified an invalid weight unit. Valid weight units are 'kg,' 'lb,' and 'mt.'

Split Load

00502 VEH I MSG_AnotherTrail. *Put trailer on scale. When ready, press OK.*
You activated the split load function, which lets you weigh a truck and its trailer separately. After weighing the truck you get this message: answer 'Yes' when the trailer is positioned and you are ready to capture the weight.

LogScale

00510 SCA F MSG_NoPrintReady. *Log Printer Not Ready Or Connected!*
The log printer is not connected or is off-line.

00511 SCA F MSG_NotLogScale. *Scale Weight Not Logged For Transaction %s.*
There is no weight log for the specified transaction.

00512 SCA F MSG_LogPrintReady. *Log Printer Correctly Connected!*
The log printer is correctly connected.

Data Fields in 2nd Weighing

00550 VEH F MSG_NoOutField. *The %s was delayed to 2nd weighing: you must enable it again!*
The transaction was performed with the specified field delayed in 2nd weighing. You must enable this option again in setup to complete transaction.

Reset Counter

00600 DAT I MSG_FirstResetSure. *This action will set transaction counter to 1 ! Are you really sure?*
A reset transaction counter has been requested; a confirmation is required.

00601 DAT I MSG_SecondResetSure. *This action will delete current logfile! Proceed?*
A second confirmation is required to the reset transaction counter operation, as this operation will erase the W&M log file.

Key Protection

00700 LOG F MSG_NoKeyHard. *Hardware Key Missing Or Not Correctly Installed!*
The hardware key is not present or is not properly inserted in LPT port.

00701 LOG F MSG_NoRelease. *Unlicensed Release!*
The release license number stored in the WBRIDGE.INI file is not correct.

00702 LOG F MSG_NoAdOn. *Unlicensed Ad-On number "%s" !*
The license number for the specified add-on is not correct.

Report Module

00800 DAT W MSG_NoEdtWnd. *Report Windows is not installed.*
ReportWindows was not found on disk.

00801 DAT W MSG_NoLay. *Report ID: '%s' not found in DB!*
The specified report was not found in database.

00802 DAT S MSG_QryEdt. *The query was edited. Test it before exit!*
You modified a query but did not test it.

00803 DAT I MSG_QryEdtExit. *The query was edited. Proceed with exit?*
You modified the query. Confirm before exiting the editor.

00804 DAT S MSG_VarInTick. *Error: Ticket with input variables!*
Input variables are not allowed in a ticket.

Final Operations

00850 VEH S MSG_EOK. *End Of Work Report.*
The end of work report is being processed.

00851 VEH S MSG_EOD. *End Of Day Report.*

The end of day report is being processed.

00852 VEH S MSG_EOWE. *End Of Week Report.*
The end of week report is being processed.

00853 VEH S MSG_EOB. *Execute a Backup.*
The backup will be executed.

00854 VEH S MSG_EOEX. *Export Transaction Data.*
The completed transactions will be exported.

00855 VEH S MSG_EOLO. *Clear Alarms File.*
The Alarms file will be erased.

Modem Communication

00900 DAT W MSG_NoModem. *Starting Not implemented!*
The modem communication was not implemented.

00901 DAT W MSG_NoSerial. *Unable to Open COM port for Host Communication!*
The COM port cannot be opened. Check for Port setup in Host Configuration Menu.

Virtual Scale

00950 SCA W MSG_VirtNotValid. *Scale id %s is not valid because already in use!*
The virtual scale identifier you specified is not valid because it is already in use by another scale.

00951 SCA W MSG_SameScales. *Please select a different scale ID!*
The scales you chose as sources for the virtual scale must not have the same ID.

00952 SCA W MSG_NullScales. *Scale ID must be not null!*
You must specify two or more valid (and not null) scales in the virtual scale menu.

Unattended Mode

01000 VEH S MSG_UnatBegin. *Operator %s start Unattended mode.*
The specified operator has started unattended mode.

01001 VEH S MSG_UnatEnd. *Operator %s stop Unattended mode.*
The specified operator stopped unattended mode.

01010 VEH W MSG_ContrOrig. *You must enable "use contract" in setup!*
You tried to start unattended mode with 'Contract' selected as the first input data in the unattended menu, but the 'Use contract' option was disabled from the 'Processing' menu. Turn it on and retry.

01011 VEH W MSG_ContrUsed. *You must enable the "use contract" button!*
You tried to start unattended mode with 'Contract' selected as the first input data in the unattended menu, but the 'Use contract' option was disabled toggling off the button in the main window. Enable it and retry.

01012 VEH W MSG_ContrNotUsed. *You must disable use contract before starting unattended mode!*
You need to disable Use Contract when operating in unattended mode.

01013 VEH W MSG_InvDisableContr. *Invalid configuration for unattended mode. You must enable control on tables in operator setup!*
The controls on vehicle, customer, and product are disabled in the Processing menu. This is an invalid configuration for unattended mode. Enable them.

01014 VEH F MSG_NoValuesFound. *%s There are no values in DB!*
In unattended mode, one of the tables does not contain valid records.

01015 DAT W MSG_OutFieldsNotValid. *To input data in 2nd weighing, you need to set first input field to Vehicle!*
The fields were set to be inserted in second weighing, but the first input field is now the contract. You need to change that to vehicle.

01016 DAT F MSG_UnatNoLoad. *Unable to communicate with Unattended Servers. Exit from the system and close the Unattended servers manually!*
The application cannot communicate with the driver's terminal server(s).

Sampling

01100 VEH S MSG_ToBeSample. *Sample Id: %s Owner: %s issued!*
The sampling was correctly requested.

01101 VEH I MSG_UpdateSample. *Sample Id: %s Owner: %s updated!*
The sampling counter was correctly updated.

01102 VEH F MSG_FailSample. *Sample Id: %s Owner: %s failed!*
The sampling data were not correctly requested.

01103 VEH F MSG_UpdateFailSample. *Sample Id: %s Owner: %s not updated!*
The sampling counter was not correctly updated.

01110 STR C STR_SampleGo. *The transaction will be completed and later on you can insert sampling result in sampled transaction table, using transaction browser.*
Customizable message at the time of the sampling.

01111 STR C STR_SampleBlock. *Insert sampling result to complete transaction!*
Customizable message at the time of the sampling.

01112 STR C STR_SampleTicket. *The sampling ticket is being printed.*
Customizable message at the time of the sampling.

01113 STR C STR_Missing Fields. *%s Missing in the Setup Table!*
Missing fields in the setup.

Extended Mode

01200 STR C STR_ExtdMode. *Start Extended Operator Mode.*
Extended mode started.

01201 VEH F MSG_BadgeOpenError. *Error while opening COM port for Badge Reader! Change configuration.*
The COM port of the badge reader could not be opened.

01202 VEH F MSG_ExtBadgeInvalid. *Badge %s code not valid for %s Table!*
This code does not exist in the table.

Start Process

01500 DAT F MSG_NoLoadApp. *Process %s (%s)not loaded!*
The application tried to start an external process (such as the scale server) but the operation was not successful.

01501 DAT F MSG_LogFileNotDeleted. *Log File NOT Removed!*
It was not possible to delete the log file after resetting the transaction counter.

Transaction Browser

05000 STR C STR_PrintTicket. *Print Ticket.*
Print ticket form title.

05001 STR C STR_TransactionBrowser. *Transaction Browser.*
Transaction browser title.

05002 STR C STR_TransactionModify. *Modify Transaction.*
Transaction modify title.

Traffic Lights Control

05100 STR C STR_RedIn *R*
String for switching the IN-traffic light to RED.

05101 STR C STR_GreenIn *G*
String for switching the IN-traffic light to GREEN.

05102 STR C STR_RedOut *R*
String for switching the OUT-traffic light to RED.

05103 STR C STR_GreenOut *G*
String for switching the OUT-traffic light to GREEN.

05104 STR C STR_ManLights *Manual Control*
Text string indicating that the manual traffic lights switch is active.

05105 STR C STR_InMan *In*
String for switching IN-traffic light manually.

05106 STR C STR_OutMan *Out*

String for switching OUT-traffic light manually.

05107 STR C STR_ScMan *Scale ID*
Text string for the scale ID combo box.

Former String Table System Messages

Sampling Strings
05149 STR C STR_SAMPLE_STEP *STEP*
Fixed step control mode.

05150 STR C STR_SAMPLE_RANDOM *RANDOM*
Random control mode.

05151 STR C STR_SAMPLE_WEIGHT *WEIGHT*
Weight control mode.

05152 STR C STR_SAMPLE_LOADS *LOADS*
Number of loads control mode.

05153 STR C STR_SAMPLE_STATION *WB STATION*
WinBridge station name.

05154 STR C STR_SAMPLE_TICKET *SAMPLING*
Ticket name used after sampling operation.

Surcharges Strings
05157 STR C STR_SURCHARGES_WEIGHT *WEIGHT*
Weight type surcharge.

05158 STR C STR_SURCHARGES_FIXED *FIXED*
Flat rate type surcharge.

05159 STR C STR_SURCHARGES_PIECES *PIECES*
Number of pieces type surcharge.

05160 STR C STR_SURCHARGES_PERCENT *PRICE*
Price type surcharge.

WinBridge Main Application
05166 STR C STR_NO_CERTIFIED. *This release is not certified.*
This string appears instead of the approval number when one of the legally relevant software interfaces has been modified.

05167 STR C STR_SCALE *SCALE*
Title of the on-screen weight server.

05168 STR C STR_LIGHTS *Lights Monitor*
05169 STR C STR_OUT_CONTRACT *Contract Field in out transaction*

05170 STR C STR_OUT_ACCOUNT *Account Field in out transaction*
05171 STR C STR_OUT_PRODUCT *Product Field in out transaction*
05172 STR C STR_LOAD_SCALE *Wait... Loading Scale Servers!*
05173 STR C STR_LOAD_LIGHTS *Wait... Loading Lights Servers!*
05174 STR C STR_GO_AWAY *Wait... Vehicle is leaving*
05175 STR C STR_LOAD_UNAT *Wait... Loading Unattended Terminal Servers!*
05176 STR C STR_LOAD_PARAM *Wait... Loading System Parameters!*
05177 STR C STR_LOAD_COMBO *Wait... Reloading Combo Boxes!*
05178 STR C STR_VALIDATING_CONTRACT *Wait... Validating Contract!*
05179 STR C STR_VALIDATING_PRODUCT *Wait... Validating Product!*
05180 STR C STR_VALIDATING_VEHICLE *Wait... Validating Vehicle!*
05181 STR C STR_VALIDATING_CUSTOMER *Wait... Validating Customer!*
05182 STR C STR_VALIDATING_CARRIER *Wait... Validating Carrier*
05183 STR C STR_PRESS_QUERY *Press "Query" to retrieve information...*
05185 STR C STR_DEMO_VERSION *Demo Version*
05186 STR C STR_FAILURE *Operation Failed!*
05187 STR C STR_MOTION *Motion*
05188 STR C STR_OVER *Over*
05189 STR C STR_ONE *O&ne*
05190 STR C STR_TWO *T&wo*
05191 STR C STR_NO_MESSAGE *Message File Not Available! Continue ?*
05192 STR C STR_WARNING *Warning*
05193 STR C STR_MESG_In *In*
05194 STR C STR_MESG_Out *Out*
05195 STR C STR_C_P_CO *Contract/Customer/Product*
05196 STR C STR_C_CO *Customer/Contract*
05197 STR C STR_P_CO *Product/Contract*
05198 STR C STR_P_C *Product/Customer*
05199 STR C STR_C_ *Customer*
05200 STR C STR_CONTAINER_ *Container*
05201 STR C STR_REMARK_ *Remark*
05202 STR C STR_CO_ *Contract*
05203 STR C STR_P_ *Product*
05204 STR C STR_V_ *Vehicle*
05205 STR C STR_OP_ *Operation*
05206 STR C STR_W_IN *Weight In*
05207 STR C STR_W_OUT *Weight Out*
05208 STR C STR_TAIN_ *Container*
05209 STR C STR_TARING *Tare*
05210 STR C STR_NOVALID *Value Not Valid*
05211 STR C STR_NOSPLIT *No Push Split Button*
05212 STR C STR_ATTENDED *Operat&or*
05213 STR C STR_UNATTENDED *Unattende&d*

Strings Used for the Driver's Terminal Ticket
05216 STR C STR_U_TICKET *TICKET*
05217 STR C STR_U_TRA *Trans.:*
05218 STR C STR_U_DATETIME *Date:*
05219 STR C STR_U_SCALE *Scale:*

05220 STR C STR_U_PRU *Pr/U*
05221 STR C STR_U_AMOUNT *AMOUNT*
05222 STR C STR_U_TOTAL *TOTAL*
05223 STR C STR_U_PRICE *PRICE*
05224 STR C STR_U_BLANK
05225 STR C STR_U_TAX *TAX*
05226 STR C STR_U_VEHI *Vehicle:*
05227 STR C STR_U_CUST *Customer:*
05228 STR C STR_U_CONT *Contract:*
05229 STR C STR_U_CONT_MAX_QTY *Max Quantity:*
05230 STR C STR_U_CONT_DEL_QTY *Delivered Quantity:*
05231 STR C STR_U_CONTAINER *Container:*
05232 STR C STR_U_REMARK *Remark:*
05233 STR C STR_U_PROD *Product:*
05234 STR C STR_U_NUM_PCS *Pieces:*
05235 STR C STR_U_WE *WEIGHT*
05236 STR C STR_U_W_I *In:*
05237 STR C STR_U_W_O *Out:*
05238 STR C STR_U_NET *NET:*
05239 STR C STR_U_W_TRACTOR *Tractor:*
05240 STR C STR_U_W_TRAILER *Trailer:*

String Sent to DV Display during the Weighing
05245 STR C STR_WAIT *Wait Please!*
05247 STR C STR_WAIT_OPER *Wait Operator Input!*
05248 STR C STR_STR_PCS *Number of Pieces*
05249 STR C STR_TAKE_TICK *Take your ticket !*
05250 STR C STR_WAIT_MOMENT *Wait !*
05251 STR C STR_CONFIRM_DATA *CONFIRM DATA?*
05252 STR C STR_ALL_OK *Transact. Accepted !*
05253 STR C STR_UNAT_ABORTED *Transac. Aborted!*
05254 STR C STR_INVALID_NET *Invalid Net!*
05255 STR C STR_Required_CONT *Valid Container Required!*

Define the System Reports with these Names
05256 STR C STR_LOG_QRP *WMLOG.QRP*
Weights & Measures log weighing printout
05257 STR C STR_LOG_M_QRP *WMLOG_M.QRP*
Weights & Measures ticket for modified transactions
05258 STR C STR_REPWORK *WORKREP*
End of session Report
05259 STR C STR_REPDAY *DAYREP*
End of day Report
05260 STR C STR_REPWEEK *WEEKREP*
End of week Report
05262 STR C STR_UNDO_TICK_OUT *UNDOOUT*
Undo Ticket for out-weighing
05263 STR C STR_UNDO_TICK_IN *UNDOIN*
Undo Ticket for in-weighing

05264 STR C STR_NO_TICKET *NOTICKET*
Ticket format used when no customer is defined.
05265 STR C STR_BARCODE *BARCODE*
Ticket format used to print in Barcode (special function for teleheating plant).

Toolbar Push Buttons Information
05268 STR C STR_CLOSE *Exit WinBridge*
05269 STR C STR_HELP *WinBridge Help (F1)*
05270 STR C STR_SEARCH *Alpha Search (F2)*
05271 STR C STR_OPENTR *Select Open Transactions (F3)*
05272 STR C STR_DOTARE *Assign a Tare to a Vehicle (F4)*
05273 STR C STR_REPO *Run Reporting functions (F6)*
05274 STR C STR_TICK *Print Last Ticket (F7)*
05275 STR C STR_CALC *Run Windows Calculator (F8)*
05276 STR C STR_PRESET *Load Presets (F9)*
05277 STR C STR_CONTRACT *Enable or Disable Contract (F10)*
05278 STR C STR_SPLIT *Allows Split Load Weighing (F11)*
05279 STR C STR_ONEPASSAGE *Disable One Passage Weighing*
05280 STR C STR_MANU *Use Manual Weight*
05281 STR C STR_WEIGHING *Use Weight From This Scale*
05282 STR C STR_VIRTUAL_WEIGHING *Use Weight from Virtual Indicator*
05283 STR C STR_TARE *Use Stored Tare weight*
05284 STR C STR_UNATTE *Start/Stop Unattended Mode (F12)*
05285 STR C STR_SCALE_NO_ZERO *Scale was not Zeroed*

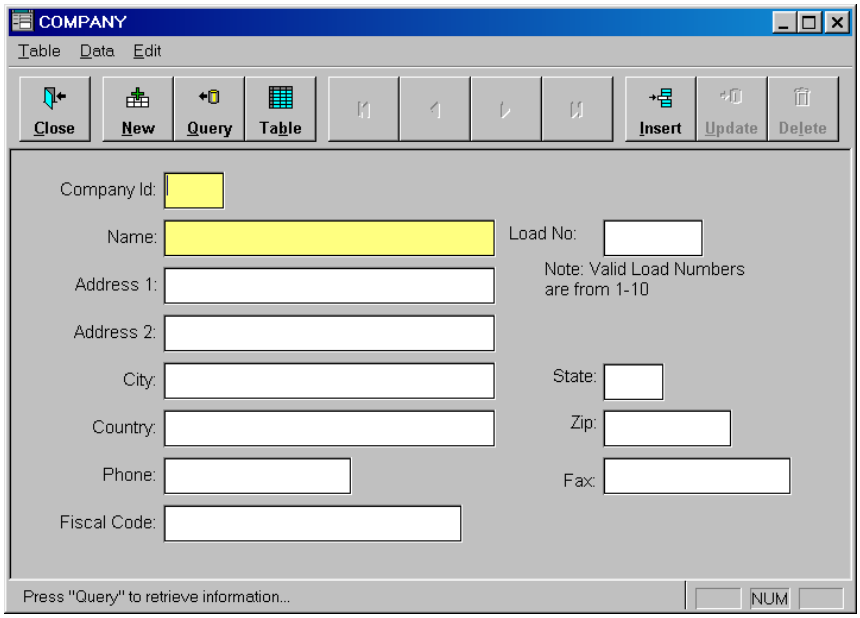
Weight Units
05286 STR C STR_UNIT_T *tn*
05287 STR C STR_UNIT_KG *kg*
05288 STR C STR_UNIT_LB *lb*
05289 STR C STR_UNIT_MT *mt*

Badge and Short Code Tables
05290 STR C STR_BADGE *Badge Id:*
05291 STR C STR_SHORT_CODE *Short Code:*
05292 STR C STR_BADGE_WINDOW_TITLE *Badge Administration*
05293 STR C STR_SH_CODE_WINDOW_TITLE *Short Code Administration*

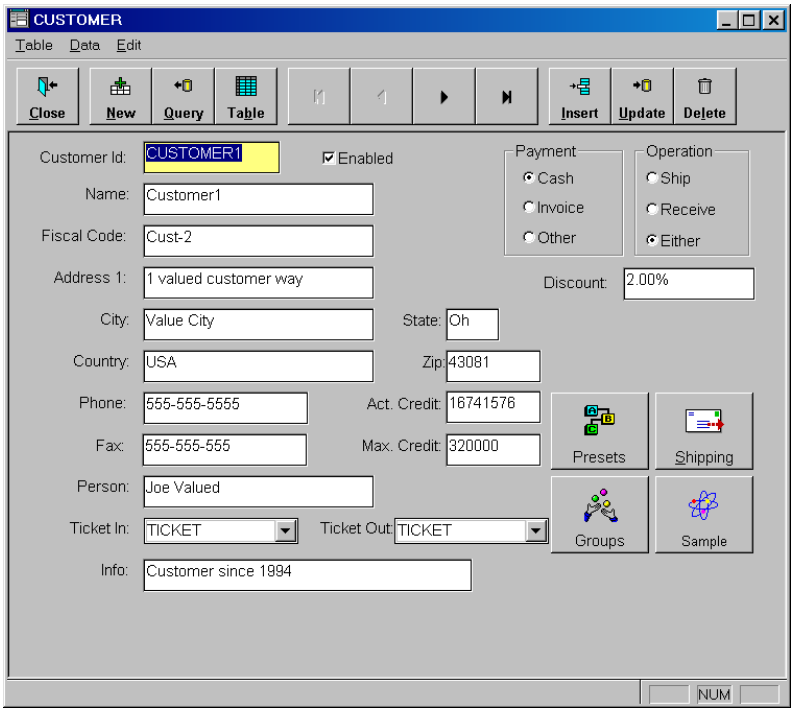
Container Error Message
05555 VEH W MSG_Required_CONT. *%s Required (Container Tare must be >0) !*
Error message that informs the user that the container must be present and have a non-zero tare
05556 VEH W MSG_InvalidNet. *Net Weight must be greater than zero!*
The value entered in a field cannot be accepted.
05557 VEH W MSG_Expired. *The information entered has expired!*
The date entered in the description field is prior to the current date.
05558 VEH W MSG_NotValid. *Value NOT Valid. Use 1 to 10 in this field!*
The valid numbers in this field are 1 to 10.

Appendix 4: Program Screens

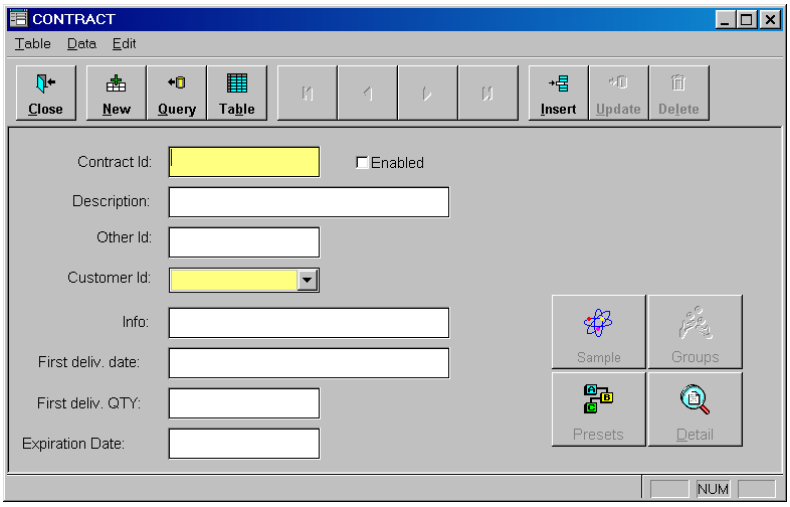
Company Table



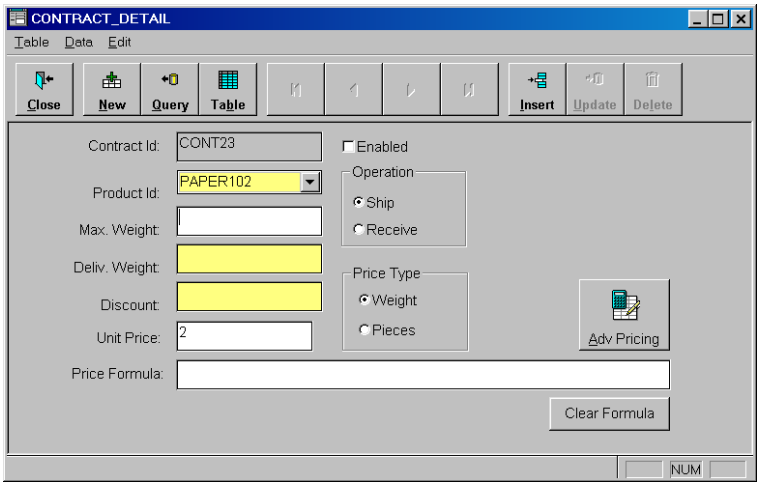
Customer Table



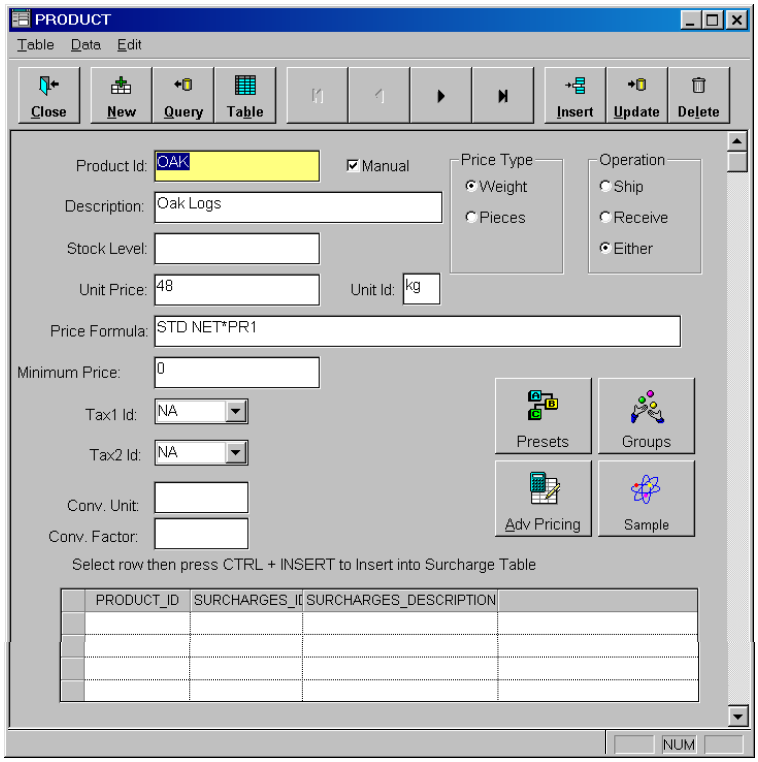
Contract Table



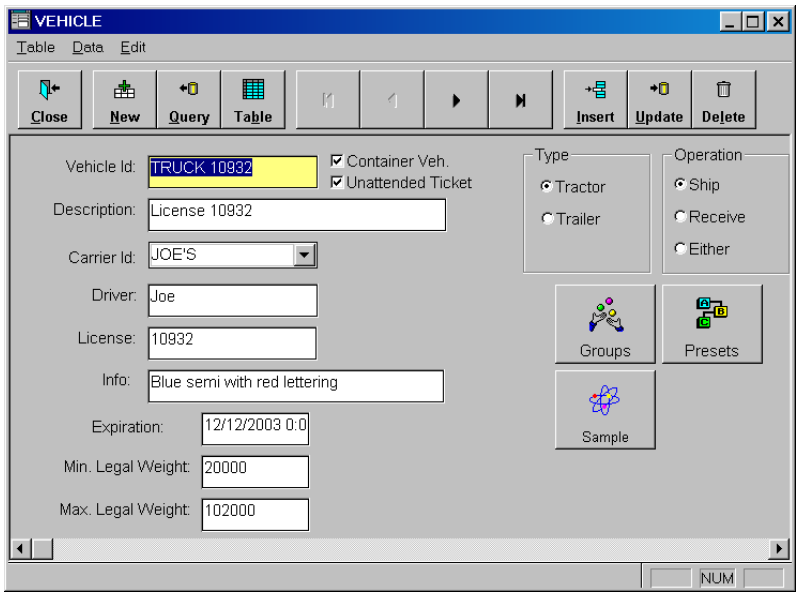
Contract Detail Table



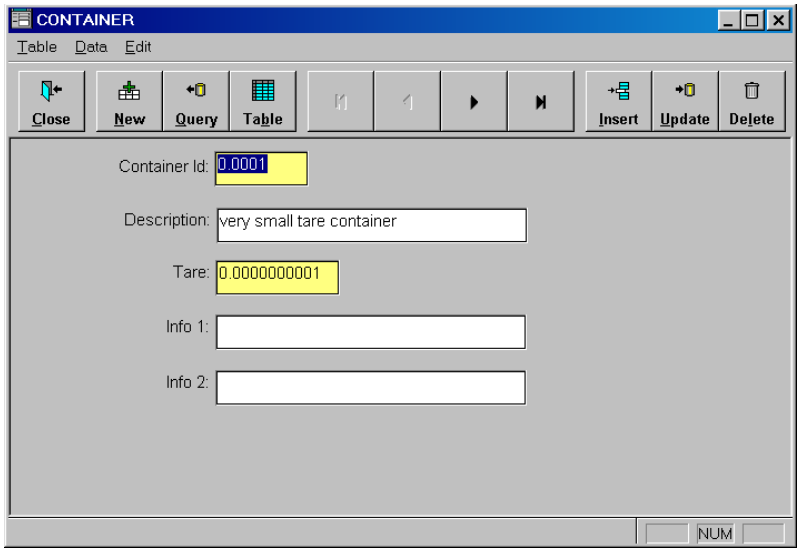
Product Table



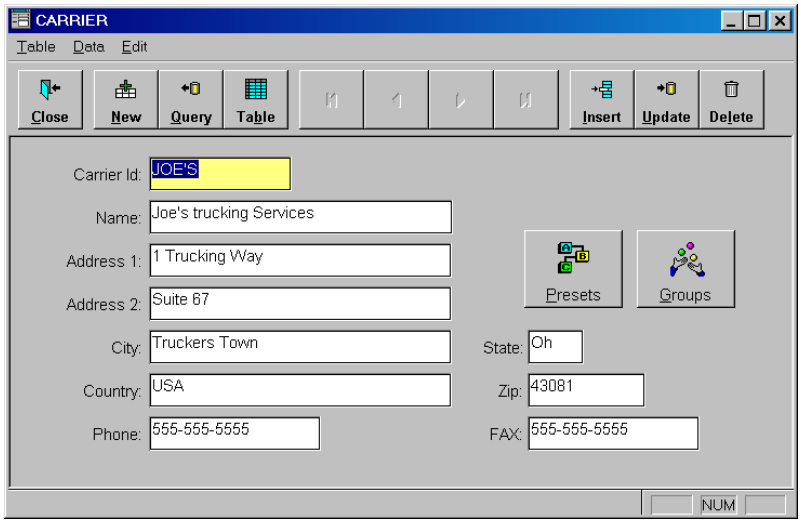
Vehicle Table



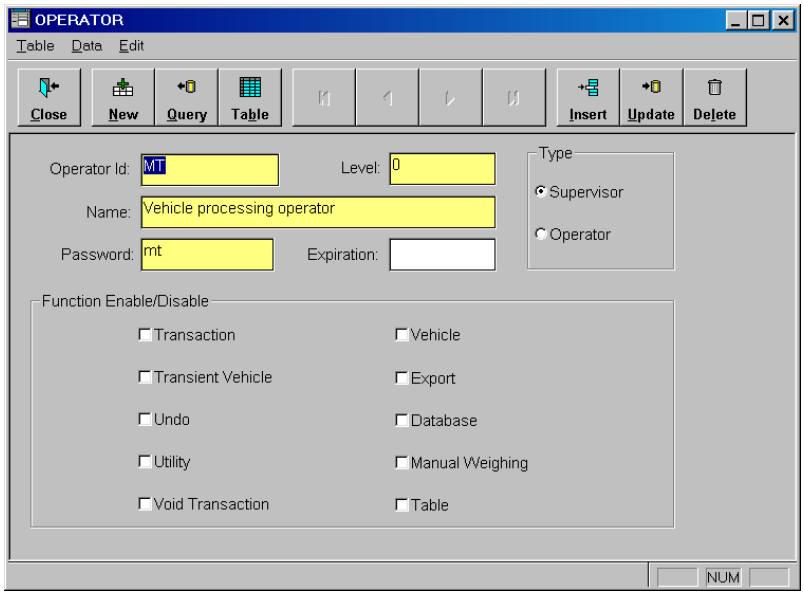
Container Table



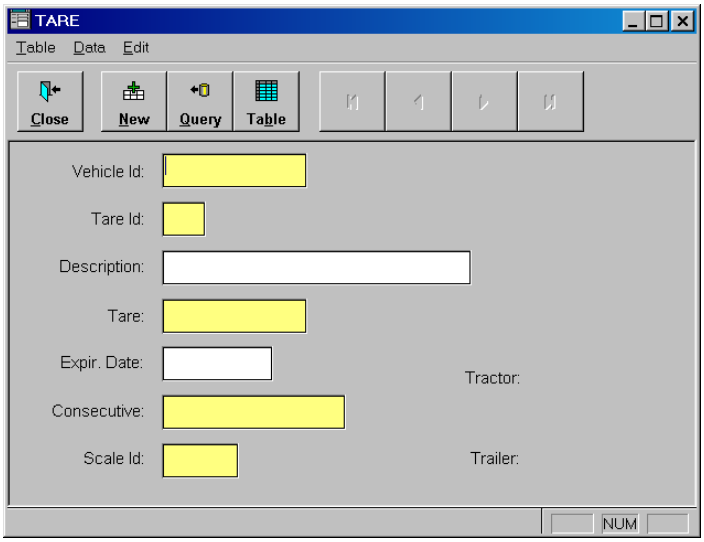
Carrrier Table



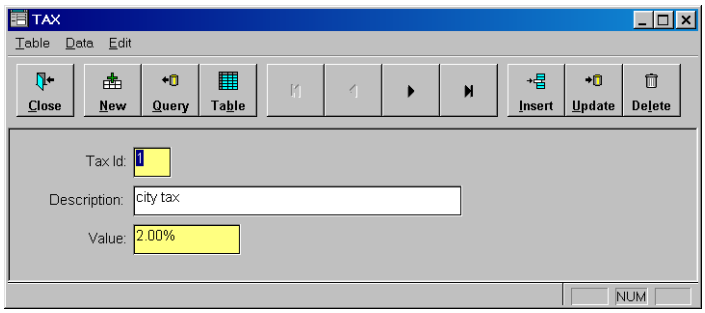
Operator Table



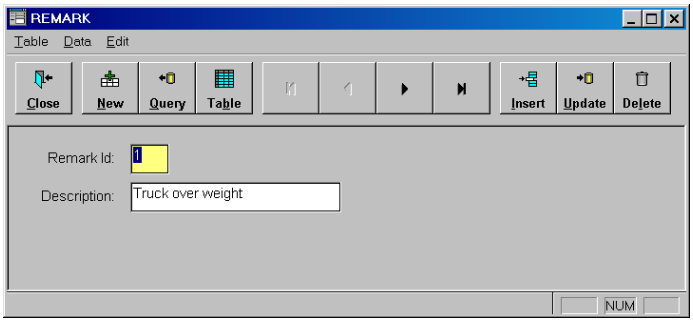
Tare Table



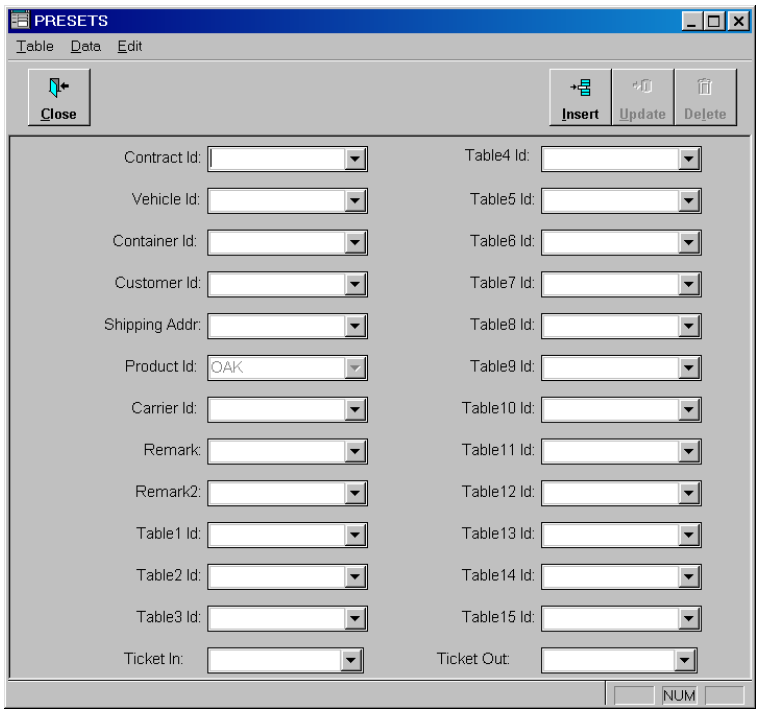
Tax Table



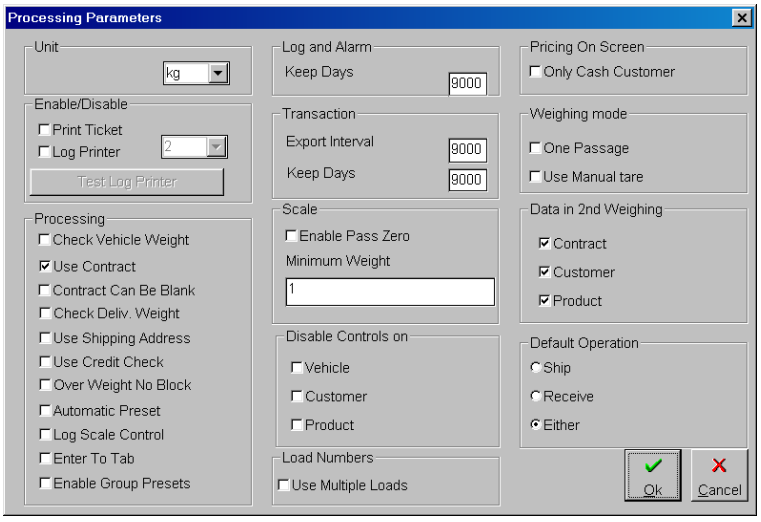
Remark Table



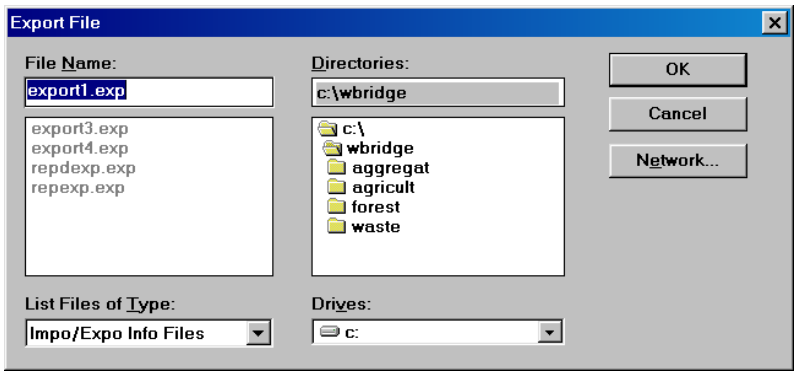
Presets Table



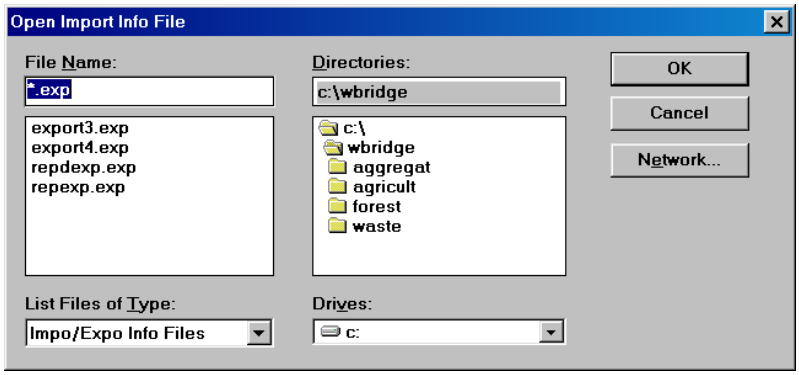
Processing Parameters



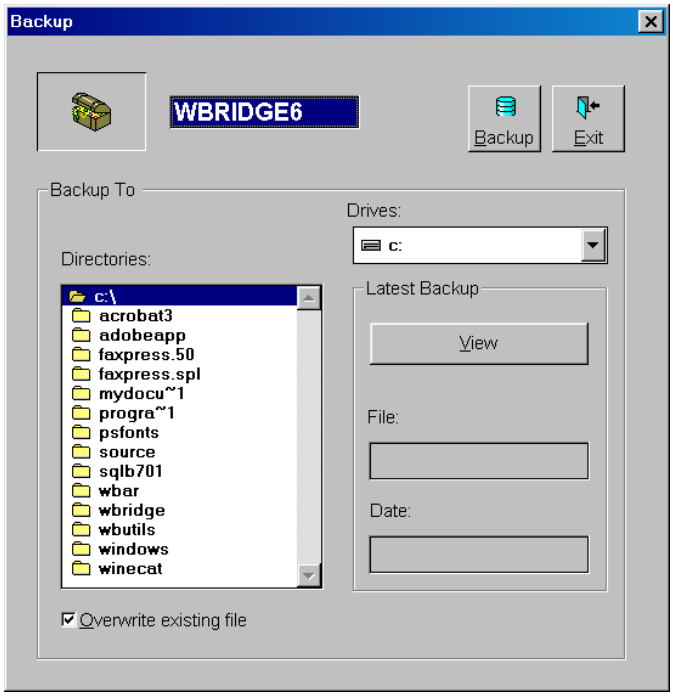
Export Form



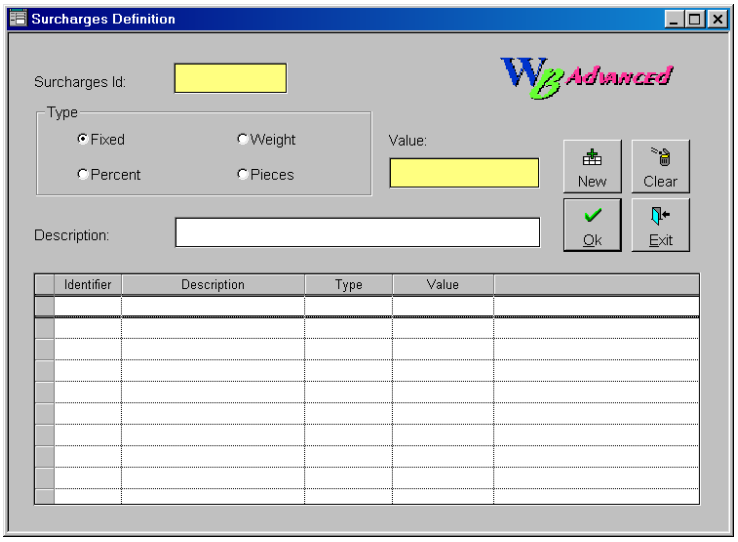
Import Form



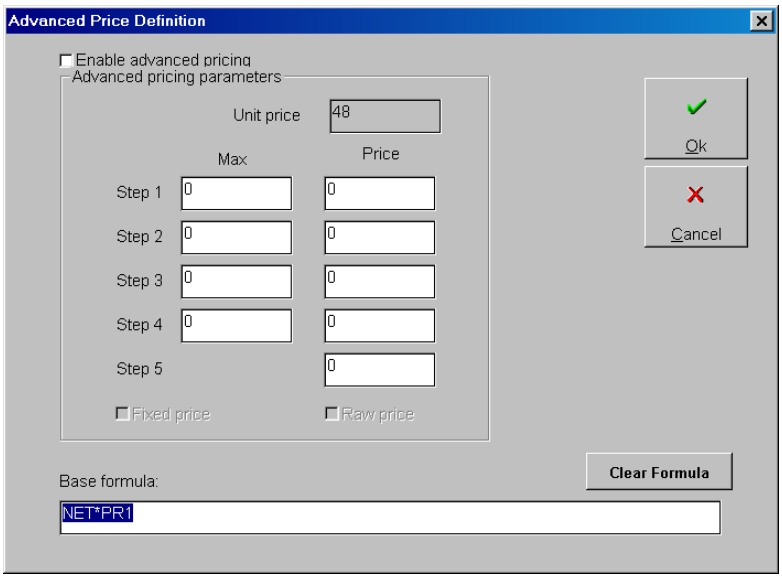
Backup Form



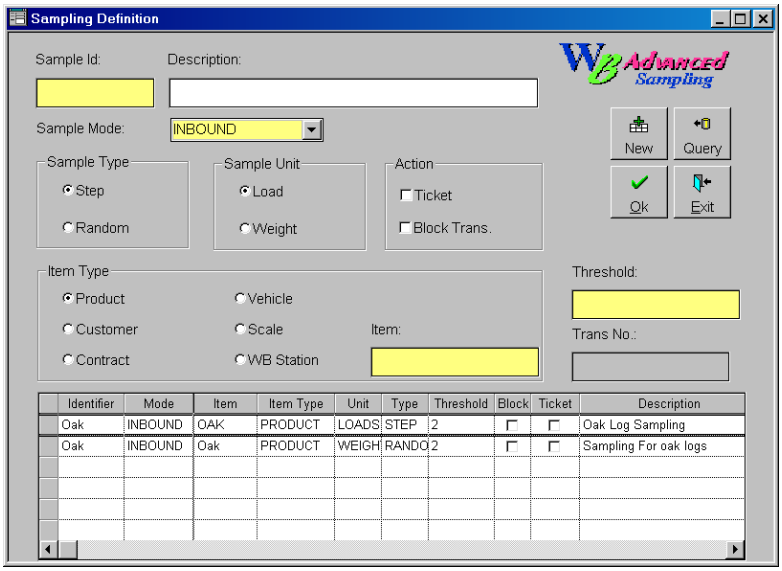
Surcharges Definition



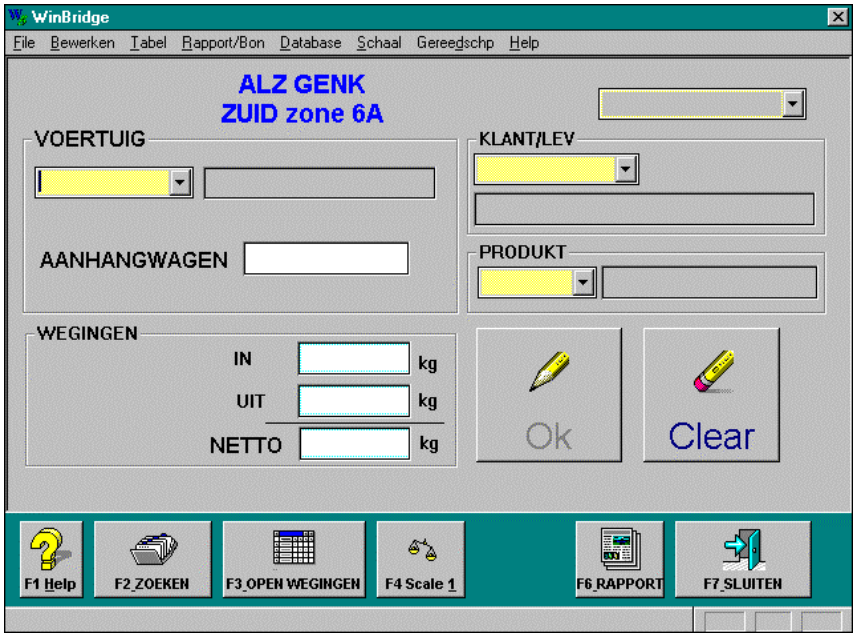
Advanced Price Definition

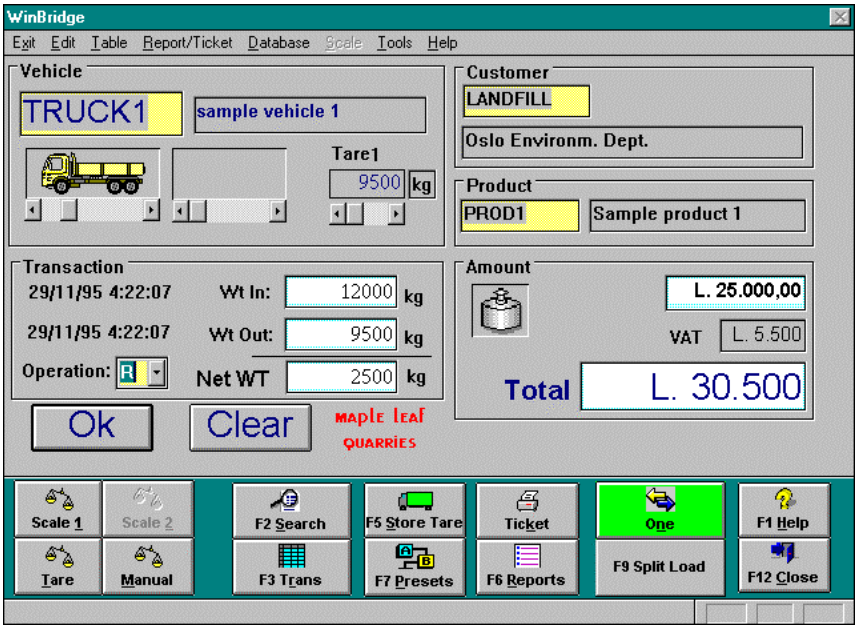


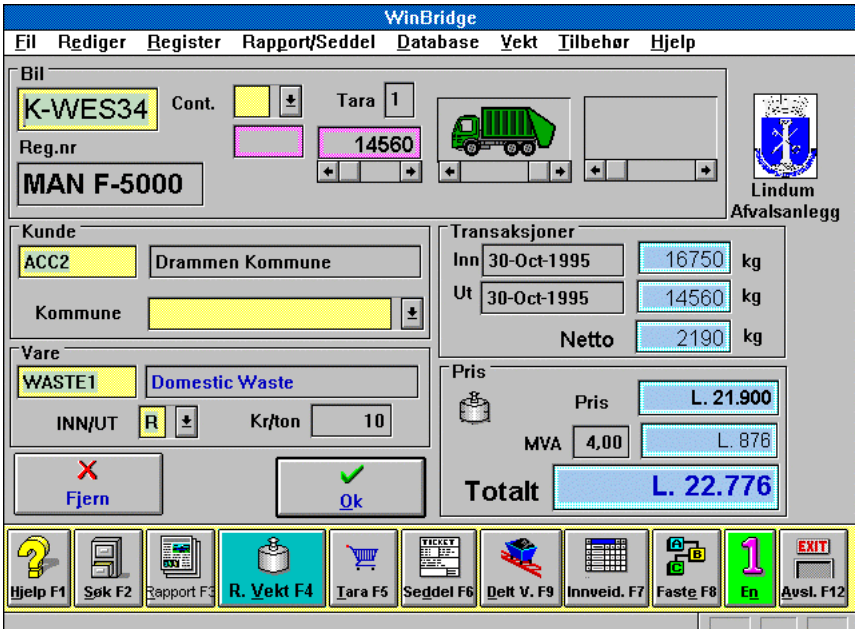
Sampling Definition

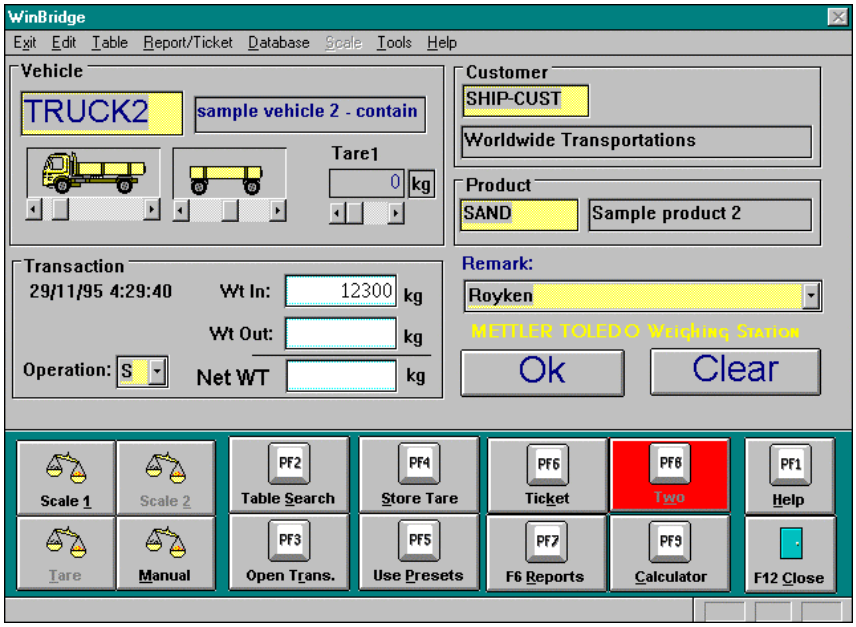


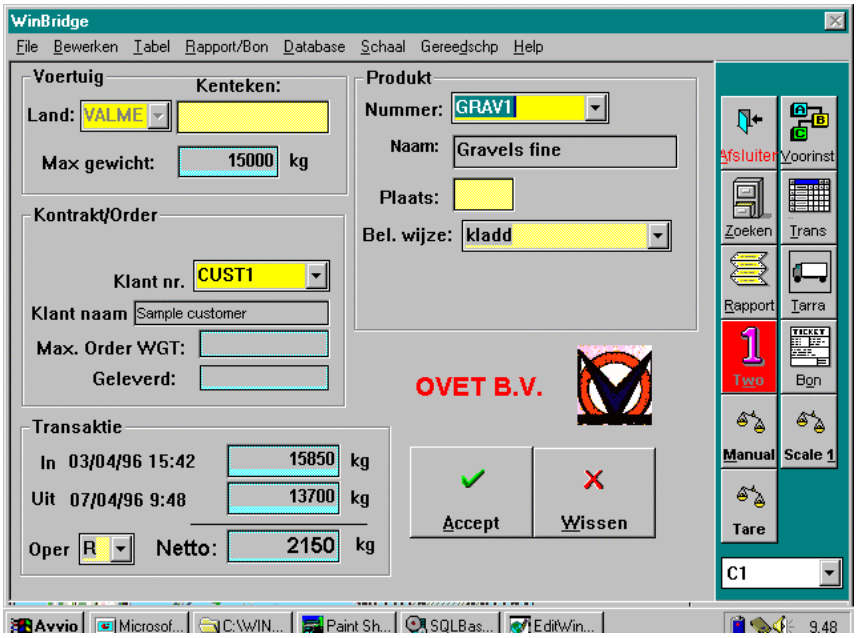
Appendix 5: Sample Processing Screens

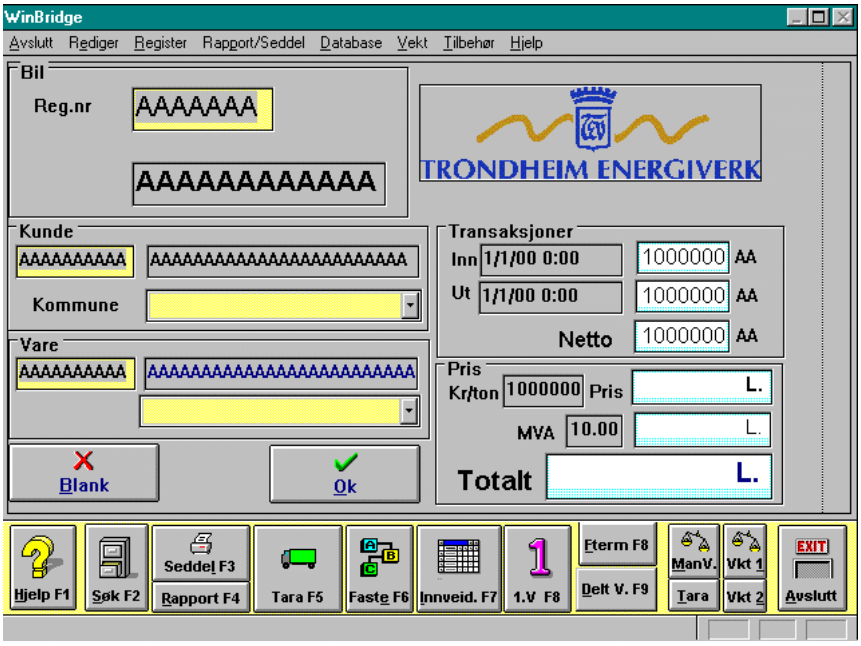


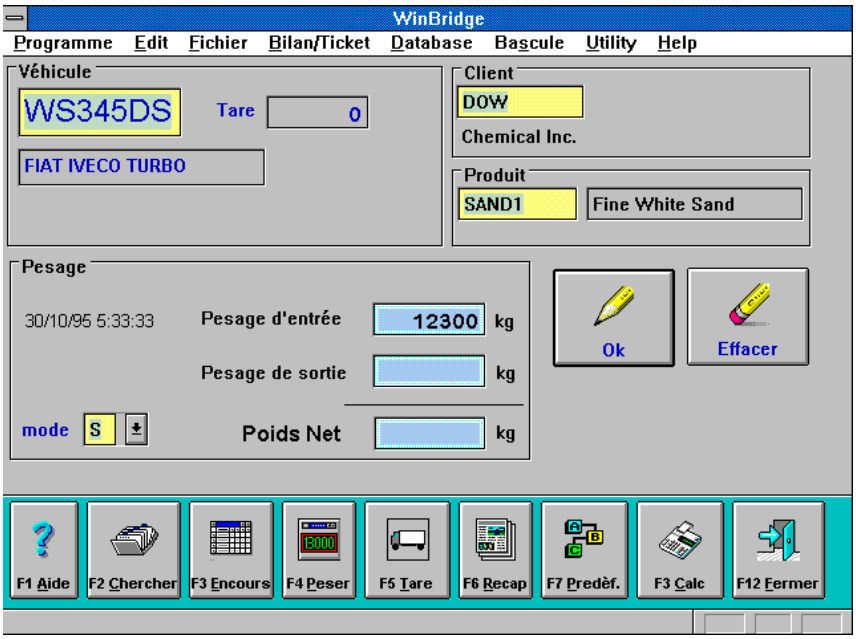

WinBridge
Exit Edit Table Report/Ticket Database Scale Tools Help
Vehicle
TRUCK1
sample vehicle 1
Tare1
9500 kg
Customer
LANDFILL
Oslo Environm. Dept.
Product
PROD1
Sample product 1
Transaction
29/11/95 4:22:07
Wt In: 12000 kg
29/11/95 4:22:07
Wt Out: 9500 kg
Operation: R
Net WT 2500 kg
Amount
L. 25.000,00
VAT L. 5.500
Total L. 30.500
Ok
Clear
MAPLE LEAF
QUARRIES
Scale 1
Scale 2
F2 Search
F5 Store Tare
Ticket
One
F1 Help
Tare
Manual
F3 Trans
F7 Presets
F6 Reports
F9 Split Load
F12 Close

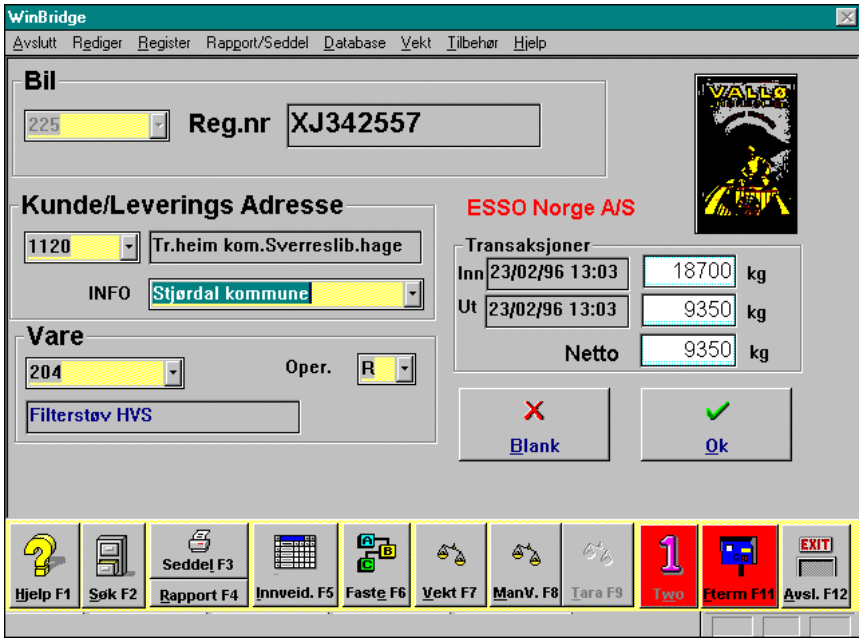

WinBridge
Fil Rediger Register Rapport/Seddel Database Vekt Tilbehør Hjelp
Bil
K-WES34
Cont.
Tara 1
14560
Reg.nr
MAN F-5000
Lindum
Afvalsanlegg
Kunde
ACC2
Drammen Kommune
Kommune
Transaksjoner
Inn 30-Oct-1995 16750 kg
Ut 30-Oct-1995 14560 kg
Netto 2190 kg
Vare
WASTE1
Domestic Waste
INN/UT R
Kr/ton 10
Pris
Pris L. 21.900
MVA 4,00 L. 876
Totalt L. 22.776
Fjern
Ok
Hjelp F1
Søk F2
Rapport F3
R. Vekt F4
Tara F5
Seddel F6
Delt V. F9
Innveid. F7
Faste F8
En
Avsl. F12

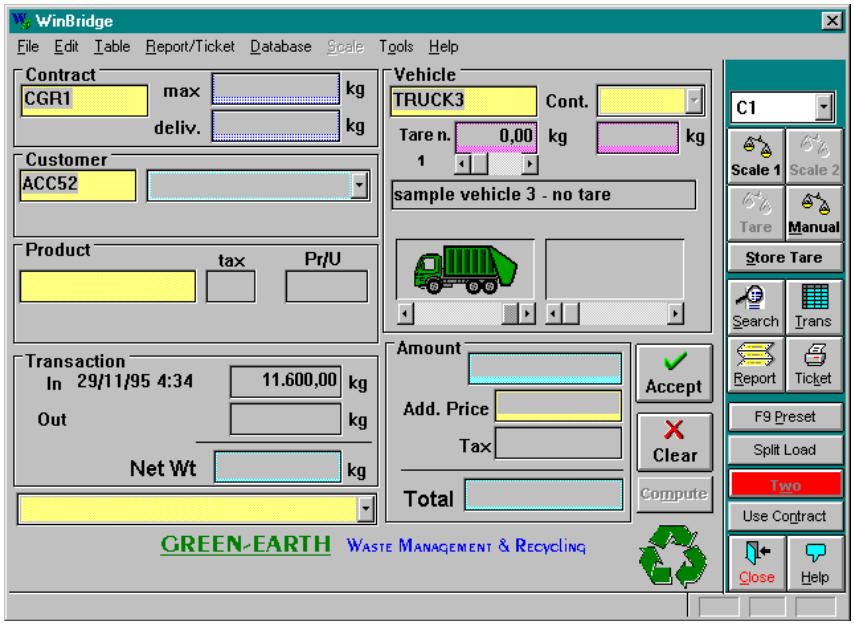

WinBridge
Exit Edit Table Report/Ticket Database Scale Tools Help
Vehicle
TRUCK2
sample vehicle 2 - contain
Tare1
0 kg
Customer
SHIP-CUST
Worldwide Transportations
Product
SAND
Sample product 2
Transaction
29/11/95 4:29:40
Wt In: 12300 kg
Wt Out: kg
Net WT kg
Operation: S
Remark:
Royken
METTLER TOLEDO Weighing Station
Ok
Clear
Scale 1
Scale 2
Table Search
Store Tare
Ticket
Two
Help
Tare
Manual
Open Trans.
Use Presets
F6 Reports
Calculator
F12 Close

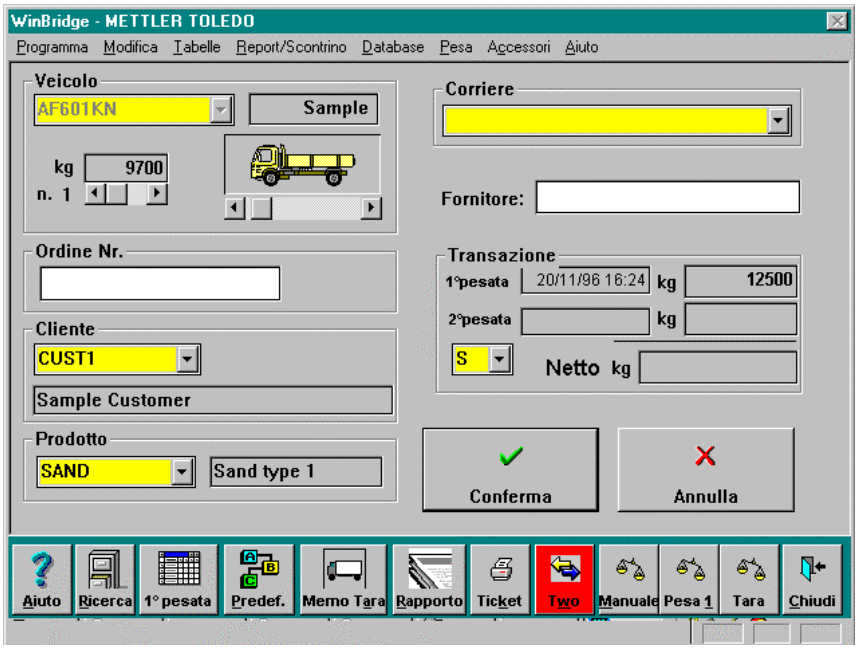

WinBridge
File Bewerken Tabel Rapport/Bon Database Schaal Gereedschp Help
Voertuig
Kenteken:
Land: VALME
Max gewicht: 15000 kg
Kontrakt/Order
Klant nr. CUST1
Klant naam Sample customer
Max. Order WGT:
Geleverd:
Produkt
Nummer: GRAV1
Naam: Gravels fine
Plaats:
Bel. wijze: kladd
OVET B.V.
Transaktie
In 03/04/96 15:42 15850 kg
Uit 07/04/96 9:48 13700 kg
Oper R Netto: 2150 kg
Accept
Wissen
Afsluiten
Voorinst
Zoeken
Trans
Rapport
Tarra
Two
Bon
Manual
Scale 1
Tare
C1

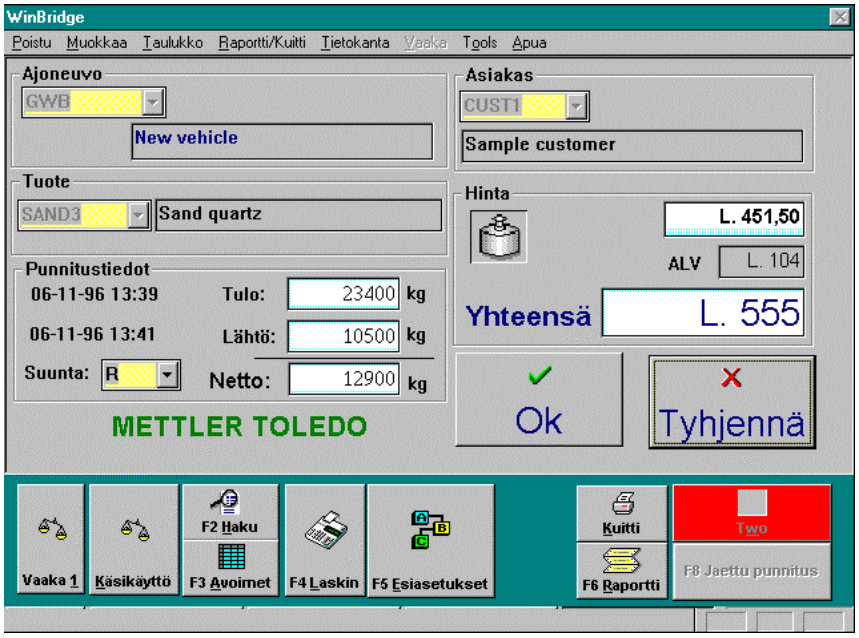

WinBridge
Avslutt Rediger Register Rapport/Seddel Database Vekt Tilbehør Hjelp
Bil
Reg.nr
AAAAAAA
AAAAAAAAAAAA
TRONDHEIM ENERGIVERK
Kunde
AAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAA
Kommune
Vare
AAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAA
Blank
Ok
Transaksjoner
Inn 1/1/00 0:00
1000000 AA
Ut 1/1/00 0:00
1000000 AA
Netto
1000000 AA
Pris
Kr/ton 1000000 Pris
L.
MVA 10.00
L.
Totalt
L.
Hjelp F1
Søk F2
Seddel F3
Rapport F4
Tara F5
Faste F6
Innveid. F7
1.V F8
Fterm F8
Delt V. F9
ManV.
Tara
Vkt 1
Vkt 2
EXIT
Avslutt

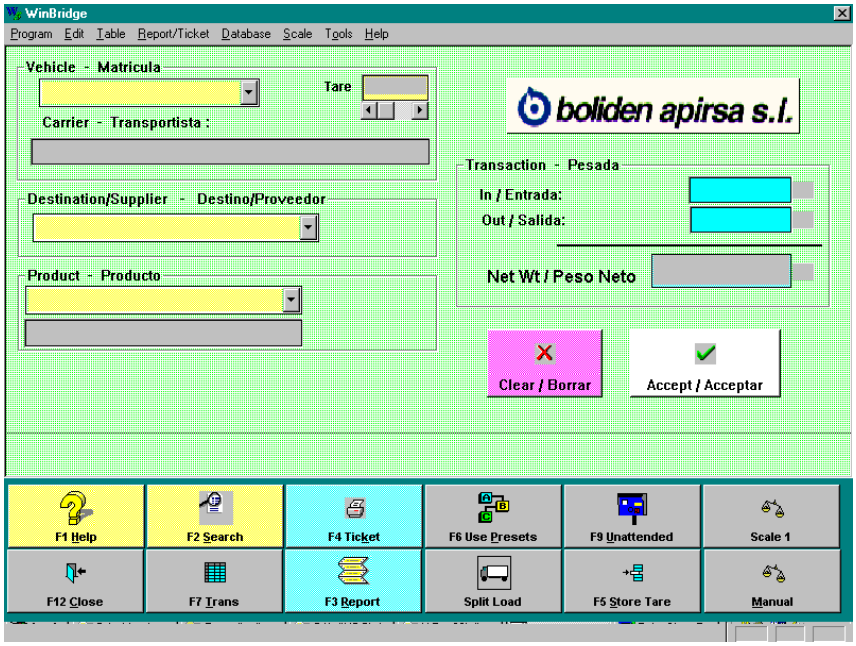

WinBridge
Programme Edit Fichier Bilan/Ticket Database Bascule Utility Help
Véhicule
WS345DS
Tare 0
FIAT IVECO TURBO
Client
DOW
Chemical Inc.
Produit
SAND1
Fine White Sand
Pesage
30/10/95 5:33:33
Pesage d'entrée 12300 kg
Pesage de sortie kg
mode S
Poids Net kg
Ok
Effacer
F1 Aide
F2 Chercher
F3 Encours
F4 Peser
F5 Tare
F6 Recap
F7 Predèf.
F3 Calc
F12 Fermer

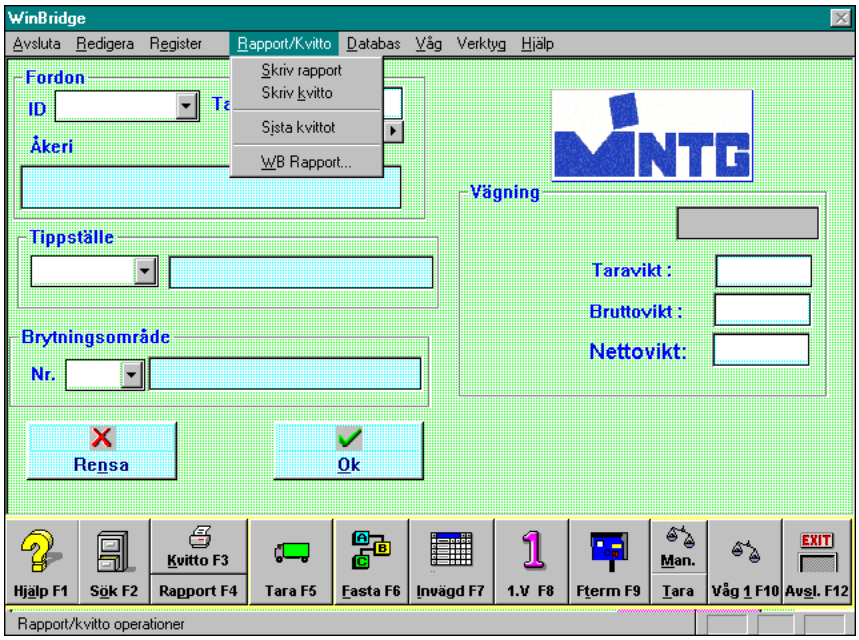

WinBridge
Avslutt Rediger Register Rapport/Seddel Database Vekt Tilbehør Hjelp
Bil
225
Reg.nr
XJ342557
Kunde/Leverings Adresse
1120
Tr.heim kom.Sverreslib.hage
INFO
Stjørdal kommune
Vare
204
Oper.
R
Filterstøv HVS
ESSO Norge A/S
Transaksjoner
Inn 23/02/96 13:03
18700 kg
Ut 23/02/96 13:03
9350 kg
Netto
9350 kg
Blank
Ok
Hjelp F1
Søk F2
Seddel F3
Rapport F4
Innveid. F5
Faste F6
Vekt F7
ManV. F8
Tara F9
Two
Eterm F11
Avsl. F12

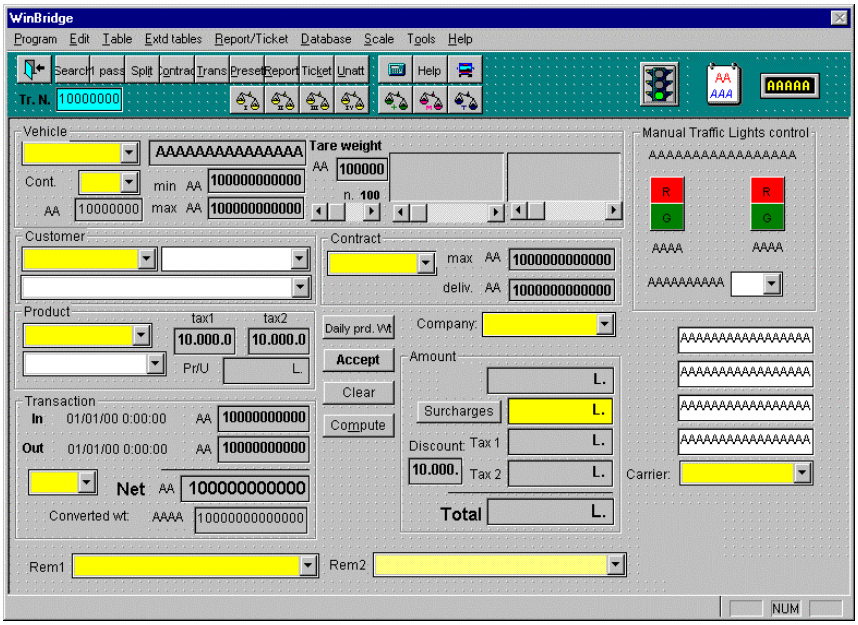

WinBridge
File Edit Table Report/Ticket Database Scale Tools Help
Contract
CGR1
max
deliv.
kg
Customer
ACC52
Product
tax
Pr/U
Transaction
In 29/11/95 4:34
11.600,00 kg
Out
Net Wt
Vehicle
TRUCK3
Cont.
Tare n.
0,00 kg
sample vehicle 3 - no tare
Amount
Add. Price
Tax
Total
Accept
Clear
Compute
GREEN-EARTH
Waste Management & Recycling
C1
Scale 1
Scale 2
Tare
Manual
Store Tare
Search
Trans
Report
Ticket
F9 Preset
Split Load
Two
Use Contract
Close
Help


WinBridge - METTLER TOLEDO
Programma Modifica Tabelle Report/Scontrino Database Pesa Accessori Aiuto
Veicolo
AF601KN
Sample
kg 9700
n. 1
Corriere
Fornitore:
Ordine Nr.
Transazione
1°pesata 20/11/96 16:24 kg 12500
2°pesata kg
S
Netto kg
Cliente
CUST1
Sample Customer
Prodotto
SAND
Sand type 1
Conferma
Annulla
Aiuto
Ricerca
1° pesata
Predef.
Memo Tara
Rapporto
Ticket
Two
Manuale
Pesa 1
Tara
Chiudi


WinBridge
Poistu Muokkaa Taulukko Raportti/Kuitti Tietokanta Vaaka Tools Apua
Ajoneuvo
GWB
New vehicle
Asiakas
CUST1
Sample customer
Tuote
SAND3
Sand quartz
Hinta
L. 451,50
ALV L. 104
Yhteensä L. 555
Punnitustiedot
06-11-96 13:39 Tulo: 23400 kg
06-11-96 13:41 Lähtö: 10500 kg
Suunta: R
Netto: 12900 kg
METTLER TOLEDO
Ok
Tyhjennä
Vaaka 1
Käsikäyttö
F2 Haku
F3 Avoimet
F4 Laskin
F5 Esiasetukset
Kuitti
F6 Raportti
Two
F8 Jaettu punnitus


WinBridge
Program Edit Table Report/Ticket Database Scale Tools Help
Vehicle - Matricula
Tare
Carrier - Transportista :
boliden apirsa s.l.
Transaction - Pesada
In / Entrada:
Out / Salida:
Net Wt / Peso Neto
Destination/Supplier - Destino/Proveedor
Product - Producto
Clear / Borrar
Accept / Aceptar
F1 Help
F2 Search
F4 Ticket
F6 Use Presets
F9 Unattended
Scale 1
F12 Close
F7 Trans
F3 Report
Split Load
F5 Store Tare
Manual


WinBridge
Avsluta Redigera Register Rapport/Kvitto Databas Våg Verktyg Hjälp
Skriv rapport
Skriv kvitto
Sista kvittot
WB Rapport...
Fordon
ID
Åkeri
Tippställe
Brytningsområde
Nr.
Vägning
Taravikt :
Bruttovikt :
Nettovikt:
Rensa
Ok
Hjälp F1
Sök F2
Kvitto F3
Rapport F4
Tara F5
Fasta F6
Invägd F7
1.V F8
Fterm F9
Man.
Tara
Våg 1 F10
Avsl. F12
Rapport/kvitto operationer


WinBridge
Program Edit Table Extd tables Report/Ticket Database Scale Tools Help
Search1 pass Split Contrac Trans Preset Report Ticket Unatt Help
Tr. N. 10000000
AAAAA
Vehicle
AAAAAAAAAAAAAA
Cont.
AA 10000000
min AA 100000000000
max AA 100000000000
Tare weight
AA 100000
n. 100
Manual Traffic Lights control
AAAAAAAAAAAAAAAAA
R G
AAAA
AAAAAAAAAA
Customer
Contract
max AA 1000000000000
deliv. AA 1000000000000
Product
tax1 tax2
10.000.0 10.000.0
Pr/U L.
Daily prd. Wt
Accept
Clear
Compute
Company:
Amount
L.
Surcharges L.
Discount: Tax 1 L.
10.000. Tax 2 L.
Total L.
Carrier:
Transaction
In 01/01/00 0:00:00 AA 10000000000
Out 01/01/00 0:00:00 AA 10000000000
Net AA 100000000000
Converted wt: AAAA 10000000000000
Rem1
Rem2
NUM

Appendix 6: 1.3.9 Release Notes

This appendix describes the enhancements and new functions from release 1.3.7 to 1.3.9.

WinBridge 1.3.9 Release Notes

1. WBPRO Modifications

1.1 Truck Only Check Box on Vehicle Processing Screen

1.2 Unattended Mode with Container

1.3 Inbound Sampling

1.4 Unattended Mode with Presets

1.5 Multiple Weighments

1.6 Additional Messages Added to the LOGMESSA.MSG File

1.7 System Processing Parameters

1.8 Host Communication

1.9 Surcharge Update when Products Changed

1.10 Master Transaction Number, Load Number

1.11 Unattended Ticket Not Required

1.12 Unattended Field in Output Functionality with One-Pass Mode

1.13 Special Functionality of Extended Table Descriptions

1.14 Preset Ticket

1.15 Unattended Printing

1.16 WinBridge Trial Period

1.17 Quickbooks Interface

1.18 Error Checking in Sampling

1.19 Error Checking when using a Container

1.20 Error Checking with Net Weight

1.21 Sampling Results Entered in the Sample Notification

1.22 Tons as an Option

1.23 Drivers for Other Indicators

2. Screen Changes

2.1 General Required Field

2.2 General Push Buttons

2.3 Account Definition Clarity

2.4 Vehicle Processing Screen

2.5 Company Screen

1. WBPRO Modifications

1.1 Truck Only Check Box on Vehicle Processing Screen

A Truck Only check box has been added to the Vehicle Processing screen. It allows an operator to indicate whether a container is attached to a truck during a transaction. If there is no container attached during inbound weighing, the operator can check this box to continue the transaction without entering a container. Or the operator can enter a zero tare container on the inbound. The Truck Only check box can also be used during outbound weighing to indicate that a truck entered with a container but exited without one. Do not change the container.

If a container vehicle enters a facility without a container, during outbound weighing a container is required and the Truck Only box cannot be disabled. If a container vehicle enters with a container and leaves without a container, the Truck Only box can be checked to reduce the net weight by the container tare. NOTE: The tare weights of the truck and container cannot exceed the gross weight (the result would be a negative net weight).

1.2 Unattended Mode with Container

The procedure for handling vehicles without containers in unattended mode was also modified. When fields in output is selected, the driver is prompted to enter a vehicle and a container on the inbound weighing. If a container with a zero tare is entered on the inbound, the driver is prompted on the outbound to enter a non-zero tare container. If a valid container is entered, only the vehicle, customer, and product prompts appear during the outbound weighing. NOTE: Any time a container is used, the net weight is reduced by the weight of the container. If a container enters and leaves with the same truck, use a very small container tare (0.000001) to avoid having the net reduced. This feature exists only in unattended mode. Operator mode uses the Truck Only check box to indicate whether the container is attached.

1.3 Inbound Sampling

Sampling can be done during inbound or outbound transactions. If sampling is based on weight, the weight used for an inbound weighing is the last set of weights because there is no net weight available on inbound. If weight is the determining factor for when a sample is taken, the weight above and beyond the threshold is rolled over to the next set of samples. For example, if the threshold is 30,000 lb and a vehicle brings in 50,000 lb, an excess of 20,000 lb would be credited to the next sampling cycle.

If sampling is based on a random number, one sample is taken per threshold. For example, if the threshold was 5 and the random number was 3, the sample would take place on the third transaction but would not restart counting until the fifth load had been received.

1.4 Unattended Mode with Presets

If a vehicle with presets is used in unattended mode, not all vehicles are required to have presets. Also, presets linked require that the contract link to the Vehicle link to the account (customer) link to the product. This is the only order that is supported.

1.5 Multiple Weighments

A new multiple weigh function is now available for when a vehicle contains various products and numerous weighings are needed to accomplish a transaction. To use this new function, after accepting the inbound weighing, click the Continued push button and then take the next weighing. With this new feature a Multi-Weighs table is now available for storing the product, account, price, tax, surcharge, spare information, converted weight, and converted units. Contracts are not supported with multiple weighments.

1.6 Additional Messages Added to the LOGMESSA.MSG File

New messages have been added to the Logmessa.msg file:

- Message '05286' adds tons (tn) to the units available.
- Message '05555' prompts the operator when a container with a zero tare has been used on an outbound transaction.
- Message '05556' prompts when a negative net weight has been detected.
- Message '05557' notifies the operator when an Extended Table has expired. This occurs when the expiration date listed in the table's Description field is prior to or equal to the current date.

Two messages have been changed:

- Message '00502' prompts the operator to move the trailer onto the scale and then press Enter. This is used for split weighing in unattended mode. The original message prompted the operator to press OK when ready, not when the trailer was on the scale.
- Message '00600' notifies the operator when the transaction number is going to be rolled back to 1. The original message said 0.

1.7 System Processing Parameters

The processing parameters by default will have the keep days maximized. The only parameters enabled will be automatic presets, Data in 2nd weighing contract, Data in 2nd weighing Customer, Data in 2nd weighing product.

When you check the **Use Contract** box in processing parameters, the following fields will appear in the contract group box: the contract ID combo box and the maximum and deliverable weight fields.

A new check box, **Show Pricing**, has now been added to enable or disable the amount group. By checking this box the user enables various fields in the Amount Group on the Vehicle Processing

screen, and the Product, Account, and Contract_Detail tables. In the amount group the amount, surcharge, tax1, tax2, and total data field boxes are enabled. In the Product table, the surcharge, tax1, tax2, minimum price, discount, price formula and unit price fields are enabled as well as the advanced pricing push button. In the Account table, the Act. and Max. credit fields and the discount field are enabled. In the Contract Detail table, the discount, unit price, and price formula data field boxes are enabled.

1.8 Host Communication

The host communication checks only the port when port communication is enabled. Also, by default the host port has been changed to Com 9.

1.9 Surcharge Update when Products Changed

Surcharges are automatically updated when a product is changed on the Vehicle Processing screen when either the Compute button or the Accept button is pressed.

1.10 Master Transaction Number, Load Number

A master transaction number and a load number have been added to the Vehicle Processing screen.

The master transaction number is like the transaction number, counting the number of transactions when a vehicle is entered. The difference is that it cannot be reset.

The load number is a resettable number that counts the number of loads. Up to 10 load numbers are available for assigning to companies. A Load data field has been added to the Company form. By entering, 1-10 in the Load field, you can choose which load number to use for a company. If the Load field is left blank or if the company table is blank, then LOAD1 is automatically used.

The load number is a resettable number that counts the number of loads. The reset is located under Tools / Transactions / Reset Loads1. Each load has its own reset. All loads are independent of the transaction number and master transaction number.

Load numbers and master transaction numbers are reset when a vehicle is selected. If a company is changed after the vehicle is selected, the operator must reselect the vehicle to update the load number. Load numbers are saved to the database when the transaction is accepted.

1.11 Unattended Ticket Not Required

When performing an unattended transaction, a regular printer ticket is not required for an unattended ticket to be produced.

1.12 Unattended Field in Output Functionality with One-Pass Mode

One-pass mode functions the same when Fields in Output is enabled as it does when Fields in Output is disabled. In prior releases, manual tare had to be enabled to do one-pass weighing with fields in output; when a truck without a tare crossed the scale, the operator would have to enter a manual tare. Now, if manual tare is not enabled, two-pass weighing will be required.

1.13 Special Functionality of Extended Table Descriptions

The Vehicle Processing screen now has 15 Validate Date check boxes for checking the expiration date (entered in the description field of the extended table) against the current date. To enable this option, either check the Validate Date boxes for the tables or enable date validation in the Configurator program under each table. This information is stored in the Wbridge.ini file under each table with the title of Date Check (1=enabled, 0=disabled). To enable this function for a table, check the box and select the Verified button (from the Customization / Extended Table menu item in Wbconf.exe). When it is enabled, a prompt will notify the operator that the information in the table (Table ID) has expired if the date in the Description field is prior to or equal to today's date. NOTE: The format of the date entered in the description field must be 'mm/dd/yyyy'. For example, for March 30, 2000, you would enter 03/30/99.

1.14 Preset Ticket

Inbound and outbound tickets can be set from preset screen. Therefore, tickets can be based on any set of variables, not just customers (accounts). The account ticket in and out is still available. If a preset is entered for a customer that has a ticket already defined, the preset overrides the customer ticket definition. Also, the last preset ID that is read is the one that is used. Product overrides customer, which overrides vehicle presets.

1.15 Unattended Printing

Unattended tickets can be turned off quickly by using the UAPRINT button on the Vehicle Processing screen. When enabled, the button will appear green; when disabled, it will appear red. This button has the same functionality as the check box on the unattended mode in the Configurator program. NOTE: In order to print a ticket, you must enabled the DV 96502 Printer Option (UA print), enable Ticket in / Ticket out (in the Configurator program), and enable the vehicle's unattended ticket check box.

1.16 WinBridge Trial Period

WinBridge has a trial period of 35 days. This allows a customer to use the product for 35 days before the product will require a password.

1.17 Quickbooks Interface

The following reports were added to interface with Quickbooks:

- INVOICE (creates invoices)
- X-CUSTLIST (creates/updates customer list)
- X-ITEM/AC (creates an item and associated account)

1.18 Error Checking in Sampling

Error Checking has been added to the sampling definition screen. If required data is missing, an error message will prompt the operator as to what is missing.

1.19 Error Checking when using a Container

If a container with a tare less than or equal to zero is entered in outbound, an error message will prompt the operator if attended, or to the driver terminal if unattended. The transaction will start over if in unattended mode.

1.20 Error Checking with Net Weight

If the net weight is less than zero, an error will prompt the operator or to the unattended unit if in unattended mode. The transaction will start over if in unattended mode.

1.21 Sampling Results Entered in the Sample Notification

When the sampling notification screen is displayed, the sample result is now enabled to enter the results.

1.22 Tons as an Option

Tons (tn) is now available as a weight option in addition to lb, kg, and mt.

1.23 Drivers for Other Indicators

The following driver have been added to communicate to other indicators:

- Rice Lake (Tested Model IQ-310A). Per Rice Lake technical support: IQ700, IQ310, and IQ800 all have the same protocol. Therefore, this drive can be used with any of these models as well.
- UMC (Tested Model 2000)
- Fairbanks (Tested Model 2500)
- Western Scale (Tested Model DF1000)
- Weigh-Tronix (Tested Model WI-120)
- GSE (Tested Model 550, has GSP file to download protocol)
- Cardinal (Tested Model 738)

2. Screen Changes

2.1 General Required Field

All required fields were reviewed for conformance to the following standard:

Required: Yellow

Non-Editable: Gray or Turquoise

Editable: White

2.2 General Push Buttons

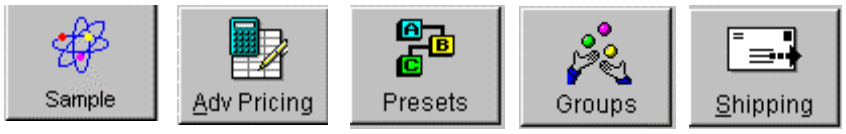
All screens were reviewed for consistency, and all push buttons were reviewed and revised as needed to meet the following standards:

1. The following buttons are found near the bottom of a screen and have the following standard look:

The following buttons are used on tables for entering data and have the following standardized look:

These buttons are at the top of each of the forms and are used to enter data in a table. The buttons are always seen in this order and with these symbols.

The following buttons are seen on the left side of the form and always have the symbols shown here.



2.3 Account Definition Clarity

Previous versions of WinBridge used the terms *customer* and *account* interchangeably. One term is now used. Account will now be used in all tables to refer to the customer.

2.4 Vehicle Processing Screen

On the vehicle processing screen, 15 check boxes (cbValidateDate1 to ValidateDate15) have been added to use the description field as an expiration date. 15 data fields were added (dfLoad1 to

dfLoad10) to display each load value. These are optional and can be eliminated. They can be activated from the Configurator program.

A new button has been added to turn unattended printing on and off. If the button is green, printing to the unattended terminal is enabled. If the button is red, printing is disabled. The button is labeled UAPRINT.

Spare data fields 10 to 13 are now expanded for 254 characters and allow for word wrap, which means that sentences can be carried through to the next line. Spare fields 1 to 4 still have 16 characters.

Now when a sample is triggered on the inbound or outbound, the Sampling Event screen will pop up, enabling sampling results, and the user can insert sampling result notes at that time.

Two new data fields were added to convert pounds and kilograms to tons and metric tons respectively. Tons are calculated simply by dividing the weight in lb by 2,000. Metric Tons (tonnes) are calculated by dividing the weight in kg by 1,000.

In the transaction group on the Vehicle Processing screen, the scale used on the inbound and outbound is now shown under the time/date of the transaction.

2.5 Company Screen

On the Company form, a data field for the load number was added. This is an editable field for values of 1-10 to be used for determining which load number to use with a company ID.

2.6 Sampling Screen

On the Sampling Definition form, a combo box for inbound or outbound sampling was added.

2.7 Transaction Browser Screen

The extended tables, Carrier, Remark, Remark2, Spare 1 to 4, Spare 10 to 13, and sampling results can be altered from this section. If they are altered, an "M" is put in the STATUS_MOD field.

2.8 Weight Correction Screen

Fields were added to allow for the weight and price correction of multiple weighments.

2.9 Modify Screen

Fields were added to allow for the modification of the multiple weighments.

2.10 Parameter Screen

Added the following parameters:

- Show Pricing – to show the pricing on several screens
- Multiple Loads – to enable the use of multiple loads

2.11 Product Screen

A note to use CNTRL+INSERT has been added to the Surcharge table on the Product form to explain how to the Surcharge table.

2.12 Table 1

Table 1 is now named Table 1. All Italian references have been removed from the screens.

3. Database Changes

3.1 Transaction Table

The following fields were added to the Transaction table:

Truck_Only Smallint (to record whether container was attached)

Ticket_in Character length 10 (saves the inbound ticket name)

Ticket_out Character length 10 (saves the outbound ticket name)

Sample_ID Character length 10 (saves sample ID name)

Sample_Owner Character length 10 (saves sample owner name)

Sample_Result** Character length 254 (saves sample result name)

Weighment Integer (Number of weighments conducted)

Status_Mod Character length 1 (saves an M for modified transactions)

Spare 10 Character length 254 (saves spare information)

Spare 11 Character length 254 (saves spare information)

Spare 12 Character length 254 (saves spare information)

Spare 13 Character length 254 (saves spare information)

Referential integrity was added. This means when a transaction is deleted (exported) from the Transaction table, it is also removed from the Extd_Trans table as well.

**Sample_Result field can have information input in the Sampled Transaction table, allowing for inputting new sampling results or modifying the sampling results.

3.2 Extd_Trans Table

Referential integrity was added. This means when a transaction is deleted from the Transaction table, this table is also deleted.

3.3 Report_Detail Table

Referential integrity was added. This means when a transaction is deleted from the Report table, this table is also deleted.

3.4 Master_Trans Table

The Master_Trans table was added. Here are the fields in this table:

Master_Trans_No Number (this is a non-resettable transaction number)

Trans_No Number (This is the transaction number)

Load_No Number (This is the load number last used)

Load1 Number (Load1 used with 1 in the load field of Company)

Load2 Number (Load2 used with 2 in the load field of Company)

Load3 Number (Load3 used with 3 in the load field of Company)

Load4 Number (Load4 used with 4 in the load field of Company)

Load5 Number (Load5 used with 5 in the load field of Company)

Load6 Number (Load6 used with 6 in the load field of Company)

Load7 Number (Load7 used with 7 in the load field of Company)

Load8 Number (Load8 used with 8 in the load field of Company)

Load9 Number (Load9 used with 9 in the load field of Company)

Load10 Number (Load10 used with 10 in the load field of Company)

3.5 Sampling Table

The Sampling table had the following changes:

Add Mode Character length 8 (this is Inbound or OutBound)

3.6 Trans_Sampled Table

The Trans_Sampled table had the following changes:

Change field name Result from 30 to 254 character length.

Referential integrity was added. This means when a transaction is deleted from the Transaction table, this table is also deleted.

3.7 Preset Table

The Preset table had the following changes:

Add Ticket_in Character length 10

Add Ticket_out Character length 10

3.8 Company Table

The Company table had the following changes:

Add Load Number

3.9 Multi_Weighs Table

The Multi_Weigh table was created to support multiple weighments. The following fields are in the multi-weigh table:

Trans_No	Integer (Transaction Number, same as in Transaction)
Account	Character length 10 (Account ID)
Product	Character length 12 (Product ID)
Amount	Float (Price of product)
Tax1	Float (Taxes added)
Tax2	Float (Taxes added)
Add_Price	Float (Surcharges added)

Total	Float (Total of amount, tax1, tax2, and surcharge)
Pieces	Integer (number of pieces)
Weighing	Integer (weighment number, this starts at 1 and goes to the weighment number)
Scale	Character length 3 (scale used for the transaction)
Operator	Character Length 10 (operator who logged the transaction)
Weigh_DateTime	DateTime (date and time of the outbound transaction used to complete this weighing)
Conv_Weight	Float (The converted calculated weight)
Weight	Integer (Outbound weight for this weighment)
Prod_Weight	Integer (Weight of the product on this weighment, calculated from outweight of previous weighment – outweight of this weighment)
Corr_Weight	Integer (Corrected weight for this weighment, added when using the weight correction factor function)
Corr_Price	Float (Corrected Price for this weighment, added when using the weight correction factor function)
Spare	Character length 254 (This is saved from Spare 10 on the screen)
Discount	Float (Discount)

Referential integrity was added. This means when a transaction is deleted from the Transaction table, this table is also deleted.

4. Reports

4.1 Reports

45 reports have been added as part of the product. These reports will ship with WinBridge already loaded. A copy of the *.qrp, *.exp, and *.dat files are included with the CD. The configurator can delete all the reports in the table and add only the necessary ones by importing them in.

4.2 Report with Page Break per Customer as Example

A sample report with page breaks per customer has been added as one of the standard reports.

4.3 Comma Delimited Reports

A sample report, which is comma delimited, is provided as one of the standard reports. The report is named Comma and the associated layout is comma.qrp.

5. WinBridge Standard

5.1 Features

WinBridge Standard is a simpler version WinBridge that can be used right out of the box for applications that

- Do not require containers
- Do not require surcharges
- Do not require more than two scales
- Do not require networking
- Do not require the Advanced Module
- Do not require the Unattended Module
- Do not require sampling
- Do not require load numbers

- Do want simple screens with basic information: vehicle, customer, product, remarks, spares, weight, basic pricing with taxes, stored tares, one-pass and two-pass mode.

All the 45 reports are included. This package is for the end user who needs a simple solution. It can be upgraded to WinBridge Professional and to WinBridge Advanced.

This package uses the frmwinbridge2 form. It does not use the standard frmwinbridge form.

The following the items are disabled in the standard package:

Extd_table

Carrier

Scale 3 and Scale 4

Host Communication

Contracts

Containers

Networking

Groups

Virtual Indicators

6. Industry Specific Enhancements

6.1 Aggregate

6.1.1 General

Screens specific to the Sand and Gravel industry and specific to Asphalt / Concrete have been added as an Industry Package. These can be installed using the standard CD and by choosing user install and the industry. This will install all the necessary files (screens, sample database, etc.) for that industry. When the configurator version is installed, each industry will have a separate folder from the Professional package (under the Wbridge and Wbridge6

directories). Each industry, when installed with the customer option gets a sample database. A clean database is installed as a folder under wbridge6.

6.1.2 Reports

- Vehicle Table Listing
- Customer Table Listing
- Delivery Zone Table Listing
- Delivery Method Table Listing
- Product Grade Table Listing
- Delivery Site Table Listing
- Batch ID Table Listing
- Product Info Table Listing

6.2 Forestry

6.2.1 General

Screens specific to the Forestry Industry have been added as an Industry Package. These can be installed using the standard CD and by choosing user install and the industry. This will install all the necessary files (screens, sample database, etc.) for that industry. When the configurator version is installed, each industry will have a separate folder from the Professional package (under the Wbridge and Wbridge6 directories). Each industry, when installed with the customer option gets a sample database. A clean database is installed as a folder under wbridge6.

6.2.2 Reports

- Truck Table Listing
- Contractor Table Listing
- Species Table Listing
- Stratum Table Listing
- Quality Table Listing
- Remark Table Listing
- Mill Table Listing
- Transaction Type Table Listing
- Cut-Block Table Listing
- Butts Ahead Table Listing
- Deck / Yard Table Listing
- Destination Table Listing
- Log Sort Table Listing
- Peeler % Table Listing
- Timbermark Table Listing

6.3 Agriculture

6.3.1 General

Screens specific to the Agricultural Industry have been added as an Industry Package. These can be installed using the standard CD and by choosing user install and the industry. This will install all the necessary files (screens, sample database, etc.) for that industry. When the configurator version is installed, each industry will have a separate folder from the Professional package (under the Wbridge and Wbridge6 directories). Each industry, when installed with the customer option gets a sample database. A clean database is installed as a folder under wbridge6.

6.3.2 Reports

- Vehicle Table Listing
- Customer Table Listing
- Quality Table Listing
- Unload Area Table Listing
- Silo Location Table Listing
- Product Grade Table Listing

6.4 Waste

6.4.1 General

Screens specific to the Transfer Stations, Landfills, MERFs (material and energy recovery facilities) and Recycling Facilities have been added as an Industry Package. These can be installed using the standard CD and by choosing user install and the industry. This will install all the necessary files (screens, sample database, etc.) for that industry. When the configurator version is installed, each industry will have a separate folder from the Professional package (under the Wbridge and Wbridge6 directories). Each industry, when installed with the customer option gets a sample database. A clean database is installed as a folder under wbridge6.

6.4.2 Reports

- Vehicle Table Listing
- Customer Table Listing
- Unload Area Table Listing
- Origin Table Listing
- Destination Table Listing
- Product Grade Table Listing
- Cell Location
- Delivery Location

7. WinBridge Demo

7.1 Features

The WinBridge Demo is available on request from the fulfillment center. The demo contains detailed information about the WinBridge family of products, from WinBridge Standard to WinBridge Professional through WinBridge Industry Specific. This demo walks the user through details about WinBridge Product offering and takes the user on a guided tour of WinBridge. A copy of the demo is on the WinBridge CD.

Appendix 7: Glossary

accelerator: A keyboard shortcut for choosing a menu item or pressing a push button. An accelerator causes an action. ALT+<char>, CTRL+<char>, and SHIFT+<char> are examples. Contrast with mnemonic.

attribute: A named characteristic of an object.

bitmap: A series of bits where one or more bits correspond to each display pixel. For a monochrome bitmap, 1 bit corresponds to 1 pixel. In a gray-scale or color bitmap, multiple bits correspond to each pixel to represent shades of gray or color.

case sensitive: A condition in which data must be entered in a specific lowercase, uppercase, or mixed-case format.

client: A computer that accesses shared resources on other computers running as servers on the network.

clipboard: The holding place for what was last cut or copied. Data on the clipboard can be inserted (pasted) into other Windows applications.

customizer: A list of attributes for an object.

database: A collection of interrelated or independent pieces of information stored together without unnecessary redundancy. Client applications can read and write a database.

database server: A DBMS that a user interacts with through a client application on the same or a different computer.

DBMS (database management system): A software system that manages the creation, organization, and modification of a database and access to data stored within it. A DBMS provides centralized control, data independence, and complex physical structures for efficient access, integrity, recovery, concurrency, and security.

dialog box: A single-function window that displays data and messages and accepts input.

disabled: A menu item or menu that cannot be chosen; the menu item or menu title appears dimmed or gray.

Ethernet: A LAN with a bus topology (a single cable not connected at the ends). When a computer wants to transmit, it first checks to see if another computer is transmitting. After a computer transmits, it can detect if a collision has happened. Ethernet is a broadcast network and all computers on the network hear all transmissions. A computer selects only those transmissions addressed to it.

expression: An item or a combination of items and operators that yields a single value. An example is an arithmetic expression with operators such as + or - that yields the result of performing the operation.

form window: A top-level window used for data entry and display. You can place child objects such as data fields, push buttons, and background text on a form window.

format: The appearance of data. Currency, percentage, decimal, date, time, invisible, numbers, and unformatted are examples.

gateway: In communications, hardware or software that connects two computer networks of different architecture.

grid: A pattern used to align objects.

icon: An image that represents an application or window.

input focus: The area in a window that receives keystrokes or mouse actions. Also called focus.

insertion point: Where the next characters that the user types appear.

LAN (Local Area Network): A collection of connected computers that share data and resources, and access other networks or remote hosts. Usually, a LAN is geographically confined and microcomputer-based.

maximize: To expand a window so it fills the entire screen.

MDI (Multiple Document Interface): A user interface model created by Microsoft.

menu: A list of choices from which you can select an action. A menu appears when you click the menu title in the menu bar.

menu item: A choice in a menu or menu bar.

minimize: To collapse a window into an icon.

mnemonic: A keyboard sequence that moves the input focus to an object, menu, or menu item. Contrast with accelerator.

modal dialog box: A dialog box that suspends the application until the user closes the dialog box.

modeless dialog box: A dialog box that does not stop processing within other windows.

mouse pointer: A graphic symbol that shows the location of the mouse on the screen. The mouse pointer is usually an arrow, but can change to other shapes during some tasks.

multi-user: The ability of a database server to provide its services to more than one user at a time.

object: A window object is a visual element on the screen such as a push button, list box, or menu.

Object Duplicator: A mouse pointer you use to copy objects.

Object Selector: A mouse pointer you use to select objects.

OLE (Object Linking and Embedding): A method of sharing information between different Windows applications. By linking and embedding objects, you can combine different types of information in a single application.

operator: A symbol or word that represents an operation to be performed on the values on either side of it. Examples of operators are: arithmetic (+, -, *, /), relation (=, !=, >, <, >=, <=), and logical (AND, OR, NOT).

precedence: The default order in which operations are performed in an expression.

query: A request for information from a database, optionally based on specific conditions. For example, a request to list all customers whose balance is greater than $1000. You give queries with the SQL SELECT command.

ReportWindows: An application that lets you design, display, and print reports.

router: A client application talks to a gateway through a router program. The router enables a logical connection between a client and the gateway. Once this connection is established on the LAN, the client application uses the router program to send SQL requests to the gateway and receive the results.

runtime: The time during which a user executes a program.

server: A computer on a network that provides services to client applications.

siblings: Child items with the same parent.

single-user: A database server that can provide its services to only one user at a time.

SQL (Structured Query Language): A standard set of commands used to manage information stored in a database. These commands let users retrieve, add, update, or delete data. There are four types of SQL commands: Data Definition Language(DDL), Data Manipulation Language (DML), Data Query Language (DQL), and Data Control Language (DCL).

SQLBase: A relational DBMS that lets users access, create, update, and delete data.

SQLNetwork: A family of tools that connects client applications to DB2, SQL Server, Oracle, and OS/2 Database Manager.

SQLRouter: The generic term for the routers used in the GUPTA SQL System.

SQLWindows: A graphical SQL application development system for Microsoft Windows and OS/2 Presentation Manager.

system modal dialog box: A dialog box that suspends all Windows applications until the user closes the dialog box.

Token-Ring: A LAN with ring topology (cable connected at the ends). A special data packet called a token is passed from one computer to another. When a computer gets the token, it can attach data to it and transmit. Each computer passes on the data until it arrives at its destination.

top-level window: A form window or a dialog box.

window: A rectangular area on the screen where an application receives input from the mouse or keyboard and displays output. A user can open, close, and move windows and can resize most windows. Several windows can be open at the same time.

Window Grabber: A mouse pointer that moves an object.

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