

**Pallet Tracking System** 

NASTech, Inc.

# User Guide

Version 6.0

NASTech P-TRAQ

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NASTech, Inc. 2201 Long Prairie Rd. Suite 107-338 Flower Mound, TX 75022 (888) 9-NASTECH www.nastechinc.com

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## Chapter 1 Introduction

The **NASTech** Pallet Tracking system (P-TRAQ) is used to track pallets both within a given facility, and throughout multiple facilities companywide. The system was designed to provide users with the real-time information needed to ensure maximum warehouse efficiency.

**P-TRAQ** supports all aspects of warehouse management including pallet tracking, pallet editing, warehouse transfers, and bay maintenance.

Many years of experience have gone into the design and development of this system. Simplicity and flexibility were the main criteria under which the software was developed. The system utilizes all the latest technology to provide a sound and long term solution for your business.

**NASTech** is committed to designing and developing the highest quality software possible and are confident that you will enjoy working with **P-TRAQ.** We look forward to working with you and wish you every success in the future.

Visit our web site at <u>www.nastechinc.com</u> for current news and updates.

#### Overview

**P-TRAQ** consists of three primary modules, all operating together to provide the highest level of real-time data possible without compromising the fail-safe requirements of the system.

- The **Server Module** contains the database, programs that are used to communicate with remote warehouses and hand-held devices, and system maintenance programs.
- The **Client Module** is used by Facility staff to access the tracking features and reports available by the system.
- The **RF Module** is used by forklift drivers to receive, store and maintain pallets.

## **System Features**

- Utilizes standard PC computer hardware
- Microsoft Windows-NT/2000/XP graphical interface
- Client / Server technology
- RF data collection interface

## **Events Recorded**

- Pallet Created
- Pallet Received
- Location Stored
- Pallet Consumed

## **Statistics**

- Date Created
- Pallet Count
- Pallet Location

## Chapter 2 Hardware Installation

Hardware components necessary for data acquisition are provided and vary depending on the actual configuration and the features to be implemented.

## **NASTech Supplied Devices**

NASTech is responsible for providing the following hardware devices when applicable:

• None at this time.

## **Customer Supplied Devices**

**P-TRAQ** utilizes standard PC hardware. The customer is responsible for providing the following hardware devices:

- Server computer
  - Windows NT, Windows 2000, or Windows XP.
  - At Least a 450 MHz CPU, 40GB HD, 128MB RAM.
  - SVGA Video Card, Network Interface Card.
  - CD-ROM Drive.
  - Serial Port.
  - Data Back-Up device.
- Client Computers:
  - Windows NT, Windows 2000, or Windows XP.
  - At Least a 450 MHz CPU, 40GB HD, 128MB RAM.
  - SVGA Video Card, Network Interface Card.
  - CD-ROM Drive.
  - Printer (Optional).

#### • RF Terminals:

- VT100 Emulation compatibility.
- WI-FI enabled.
- Windows CE Operating system.

## **Install Devices**

Please refer to the manufacturer's documentation for installation procedures for the following devices.

- Install the serial port card if not currently available.
- Install the network interface card if not currently available.
- Install the Laser Printer and software drivers.
- Connect the RF Controller to the network.
- Assign an IP Address on the network for the controller.

## Chapter 3 Software Installation

## NASTech Supplied Software

NASTech is responsible for providing the following software:

- PTRAQ\_Server.exe.
- PTRAQ\_Client.exe.

## **Customer Supplied Software**

The customer is responsible for providing the following software:

- Server computer
  - Windows NT, Windows 2000, or Windows XP.
  - Microsoft Access.
  - Microsoft SQL Server. (Optional)
- Client Computers:
  - Windows NT, Windows 2000, or Windows XP.

## **Pre-Installation**

The P-TRAQ Server and Client programs are to be installed on the server and client computers as described in this chapter.

The system is installed onto the Server and Client computers using custom installation programs. The installation programs should be copied to the file server to simplify the installation for multiple client computers.

Please follow the installation procedures as written and do not proceed until all prior steps have been completed successfully.

The P-TRAQ directory on the file server into which the system is installed must have read/write access from each of the client computers.

NASTech personnel will provide custom map images for your facility. Please ensure that you have these prior to installation.

#### **Server Installation**

- Create a C:\PTRAQ directory and a C:\PTRAQ\Install directory on the PTRAQ server.
- Download the installation programs from the following links:
- <u>http://www.nastechinc.com/SUPPORT/PTRAQSupport/Install/PTRAQ\_Server.exe</u>
- <u>http://www.nastechinc.com/SUPPORT/PTRAQSupport/Install/PTRAQ\_Client.exe</u>
- Save the downloaded installation programs to the C:\PTRAQ\Install directory.
- Execute PTRAQ\_Server.exe and follow the directions on the screen to set up P-TRAQ.
- Note: After Installation, you may be prompted to restart the server as various DLL and OCX files may need to be registered in Windows. You may continue the installation and schedule this restart at a more convenient time if necessary.
- Create a directory with your company name into the
   C:\PTRAQ\Shared directory. (IE... C:\PTRAQ\Shared\MyCompany)
- Copy the Map image files sent to you by NASTech personnel to the C:\PTRAQ\Shared\MyCompany directory.

## **System Parameters**

#### System.ini

Open the "**System.ini**" file located in the **PTRAQ**\**Shared** directory. If you have changed the default location of the PTRAQ directory on the server, you must change the Local and Network base path's in this file as in the following:

- Application = "P-TRAQ"
- Init Path = "Init"
- Local Base Path = "YourDrive:\YourDirectory\PTRAQ"
- Network Base Path = "YourDrive:\YourDirectory\PTRAQ"

#### **User Security**

#### WIP\_Security.ini

Open the "**WIP\_Security.ini**" file located in the **PTRAQ**\**Shared**\**Init** directory. Verify that the company ID, division and valid systems are correct ("W" is for Wip, which is the default):

- [Constants]
- CompanyID = 1
- Division = "01"
- ValidMenus = "W"

Run **WIP\_Security.exe** from the **PTRAQ/Shared** directory. For a full description of this program see the Utilities section of this document.

P-TR/	NQ User Secu	rity	_ 🗆 🛛
ach a	User ID	RF	
AST	Employee	1000	
Ŕ	Name	John Smith	
	Level	User	•
ecurity	T WIP	Г Shipping	☐ Non-Mail
User So	Save	Delete	Cancel

All P-TRAQ client users will require set-up in this program to define their security level, and this can be done at any time prior to them accessing the program. The user who will be doing the initial set-up of the warehouses and racks should be entered into this program at this time and will require a security level of super user. Enter the user's **Windows User ID**, select "**Super User**" from the drop-down list provided, and click the **Save** button.

#### WipTrack.ini

There are some basic system parameters that need to be set up on the server at this time.

Open **WipTrack.ini** in the **PTRAQ**\**Shared**\**Init** directory and edit the following parameters as described in the following:

(Additional parameters may be edited in the file at a later time. These parameters are described in the Initialization File section of this guide.)

Parameter	Default	Description
Company Name		The name of your company which will appear on the top of Facility level maps and on system reports. Example: CompanyName = "ABC Printing"
Company	1	Internal Company number. Example: Company = 1
Division	1	The division number. Used when there are multiple divisions in your company. Example: Division = 1
Loc Format		The format for rack locations at your facility. Example: Loc Format = "WWZ-BBB-L" W – warehouse, Z – zone (rack), B – Bay (across), L – Level (up)
Вау Туре	Numeric	Sets the horizontal counting method for rack locations as numeric or alphabetic. Example: Bay Type = Numeric
Level Type	Alpha	Sets the vertical counting method for rack levels as numeric or alphabetic. Example: Bay Type = Alphabetic

## Server SQL Setup

- Install Microsoft SQL Server on P-TRAQ Server.
- Execute "Start...Programs...Microsoft SQL Server...Query Analyzer".
- Open "PTRAQ\Shared\Database\PTRAQ.SQL".
- Execute the SQL script to create **PTRAQ** database(s).
- Set permissions for P-TRAQ client computers.

## Map Setup

#### Map Creation

The P-TRAQ system contains a host of geographical maps including a world map, all of the continents, and some countries. Prior to installation, NASTech personnel will provide the geographical maps where all of your facilities are located.

NASTech personnel will also provide maps of your actual facilities once the required floor plans or blueprints have been made available. This will also be done prior to installation.

Physical changes made to any facility must also be reflected in new images, and new Warehouse Level Map images must also be made available when applicable.

NASTech personnel will assist with map images as per the maintenance agreement.

To add or change maps locally, use an image editor that can export images in Enhanced Metafile (.emf) format.

Facility Level and Warehouse Level maps must be drawn to scale. As an example, for a facility measuring 1000 feet by 1000 feet, the exported file's properties should be 1000 pixels wide by 1000 pixels high.

#### Map Database

Before viewing your facility with P-TRAQ, you MUST add the associated map image(s) to the Map Database. The map database can be edited using Microsoft Access or Microsoft SQL.

With MS Access, map entries are located in the **Map Def** table of the **PTRAQ.mdb** database located on the server in the **C:\PTRAQ\Shared\Database** directory.

With SQL, map entries are located in the **Map Def** table of the **PTRAQ** database located on the SQL server.

Before adding the maps to the database, designate a map code to describe all of the warehouses in your plant. For example, "Warehouse 1" may be referred to as WH1.

The following example shows the map hierarchy of a facility located in New York City:

1	AapDef : T	able						_ 🗆 🛛
	Company	Division	МарТуре	MapParent	MapCode	MapImage	MapWidth	MapHeight 🔺
	1	04	MAP	USA	USA	Maps\NORTHAMERICA\USA\USA.emf	963	479
	1	04	MAP	USA	NY	Maps\NORTHAMERICA\USA\NEWYORK\NewYork.emf	961	752
	1	04	WHS	NY	NYC	Maps\NORTHAMERICA\USA\NEWYORK\NEWYORKCITY\NYC.emf	960	879
	1	04	WHS	NYC	CN	COMPANYNAME\FacilityName.emf	11736	10136
	1	04	WHS	CN	S1	COMPANYNAME\FacilityName-WH1.emf	4829	1827
	1	04	WHS	CN	S9	COMPANYNAME\FacilityName-WH2.emf	4829	1827
	1	04	WHS	CN	S2	COMPANYNAME\FacilityName-WH2.emf	3056	1827
	1	04	WHS	CN	F1	COMPANYNAME\FacilityName-WH3.emf	2304	1282
	1	04	WHS	CN	F2	COMPANYNAME\FacilityName-WH4.emf	2252	1282 🗸
Rec	ord: 🚺 📢		4	▶ <b>*</b> of 155		(<)		>

When adding a Facility Level or Warehouse Level map to the table, add "WHS" as the MapType, add the city or state where the facility is located as the MapParent, add the distinguishable code for the map, add the path to the actual image in the MapImage field, and add the MapWidth and MapHeight in pixels of the actual image.

NASTech personnel will provide the MapWidth and MapHeight entries on any maps provided by us.

Once the map has been added to the database, you may link to it when adding Markers as described on the Markers section of this guide.

#### WipTrack.ini

Before viewing your facility with P-TRAQ, you MUST add the associated map image(s) to the **WipTrack.ini** file located in the **PTRAQ**\**Shared**\**Init** directory on the server.

This file can be edited with a typical text editor such as Microsoft Windows Notepad as in the following example:

The following example shows the map hierarchy of a facility located in Los Angeles California:

Node Name = "Map View" Node Name = "~USA", "MAP", "USA" Node Name = "~~California", "MAP", "CA" Node Name = "~~~Los Angeles Printing", "MAP", "SDP" Node Name = "~~~WH #1 (WH1)", "WHS", "WH1" Node Name = "~~~WH #2 (WH2)", "WHS", "WH2"

## **Client Installation**

- Execute PTRAQ\_Client.exe from the PTRAQ\Install directory on the file server.
- Follow the directions on the screen to set up P-TRAQ. Install the software in the C:\Program Files directory.
- Open the "System.ini" file located in the C:\Program Files\PTRAQ directory. Edit and save the file as follows:
  - Init Path = "Init"
  - Local Base Path = "C:\Program Files\PTRAQ"
  - Network Base Path = "YourServerlPaddress\PTRAQ"
  - DBTYPE = "SQL"

#### **Client SQL Setup**

- Create ODBC Data Source Name (DSN) called **PTRAQ** for new PTRAQ SQL Server database.
  - Start Settings Control Panel Administrative Tools Data Sources ODBC
  - Click "Add". Select SQL Server, Click "Finish".
  - Name database (PTRAQ), and select the PTRAQ Server.
  - NT or SQL authentication? It is recommended that NT authentication is used. If so, the NT password setup on the computer will allow access to the SQL database.
  - NT or SQL authentication? If SQL authentication is used, the following lines of code MUST be added to the C:/ProgramFiles/PTRAQ-Client/System.ini file:
    - DB Name = PTRAQ
    - Database = PTRAQ
    - User Name = your computer's User Name
    - Password = your SQL Password
  - Click "Change Default DB to", Select PTRAQ Database, Click Next.
  - Test the connection and click OK.

#### Start P-TRAQ Client

- Go to Start Menu → Programs → PTRAQ-Client Module → SysUpd, right-click the SysUpd icon and select Properties. Edit and save the shortcut as follows:
  - Target: YourServer/PTRAQ/Shared/SysUpd.exe
  - Start In: C:/Program Files/PTRAQ/
- ♦ Run Start Menu → Programs → PTRAQ-Client Module → SysUpd and click the Update button.

#### Shortcuts

- You should also create a folder on the desktop called **P-TRAQ**. Add the following to the folder:
  - Shortcut to C:\Program Files\PTRAQ
  - Shortcut to our Website which is www.nastechinc.com
  - Shortcut to a new file called "**Password.txt**" (Create this file, add the following text, and save):
  - Username = *yourcompanyname* (all lowercase)
  - Password = support
- Let the users know that our **UserGuide** is available for viewing online. If you open it online versus downloading it, the MS Word document contains hyperlinks in the Table of Contents.

## **Software Updates**

Customers will be notified by email when software updates are available for download. It is recommended that you update the software within a reasonable time frame as to avoid redundant support issues.

The <u>P-TRAQ support page</u> on our website always contains the latest updates, as well as version specific information relating to each updated program. Check our support pages periodically for additional information.

#### **Manual Updates**

Manual Updates to the software are handled as follows:

- Delete all files from the C:\PTRAQ\Shared\SoftwareUpdate directory on the server.
- Download SoftUpd.zip from the following link:
- http://www.nastechinc.com/SoftwareRelease/PTRAQ/SoftUpd.zip
- Save the .zip file to the C:\TRAQ\Shared\SoftwareUpdate directory on the server.
- Unzip the downloaded file and save its contents to the C:\PTRAQ\Shared\SoftwareUpdate directory on the server.
- Run Install.bat from the C:\PTRAQ\Shared\SoftwareUpdate directory on the server. Click the Continue button and wait for completion.

- 1. Run **DataComp.exe** from the **C:\PTRAQ\Shared** directory on the server, and click the **Continue** button. If database field mismatches are present...
  - Run the included **Update.SQL** script in **SQL Query Analyzer**, and run **DataCopy.exe** from the **Start Menu** at EACH client computer.
- 2. **SysUpd.exe:** The updated files may be transferred and installed manually to each client computer by running the **SysUpd.exe** program at the associated computer.

## **Initialization Files**

The following describes the initialization files in detail in cases where modifications are required. In each file, the parameters are divided into multiple sections as outlined. Upper and lower case may be used as desired with additional spacing for readability since all characters are converted to lower case and imbedded spaces are discarded prior to evaluation.

#### WipTrack.ini

## [Constants]

Parameter	Default	Description	
Company Name		The name of your company which will appear on the top of Facility level maps and on system reports. Example: CompanyName = "ABC Printing"	
Company	1	Internal Company number. Example: Company = 1	
Division	1	The division number. Used when there are multiple divisions in your company. Example: Division = 1	
Loc Format		The format for rack locations at your facility. Example: Loc Format = "WWZ-BBB-L" W – warehouse, Z – zone (rack), B – Bay (across), L – Level (up)	
Вау Туре	Numeric	Sets the horizontal counting method for rack locations as numeric or alphabetic. Example: Bay Type = Numeric	
Level Type	Alphabe tic	Sets the vertical counting method for rack levels as numeric or alphabetic. Example: Bay Type = Alphabetic	
Menu Width	3600	Sets the default tree view menu screen width. Example: Menu Width = 3600	**
Menu Hide	No	Defaults the tree view menu to the hidden position. Example: Menu Hide = Yes	**
Rack Color Full	Dark Green	Sets the color to be used for full bays. Example: Rack Color Full = RGB(0,98,17)	**
Rack Color Partial	Light Green	Sets the color to be used for partially full bays. Example: Rack Color Partial = RGB(0,157,28)	
Job Color Full	Blue	Sets the color to be used for bays containing the job as searched.	

Parameter	Default	Description
		Example: Job Color Full = RGB(0,0,160)
Job Color Partial	Blue	Sets the color to be used for bays containing the job as searched. Example: Job Color Partial = RGB(0,0,200)
Aging Color Full	Dark Brown	Sets the color to be used for bays containing dated pallets as searched. Example: Aging Color Full = RGB(118,76,36)
Aging Color Partial	Light Brown	Sets the color to be used for bays containing dated pallets as searched. Example: AgingColorPartial=RGB(187,166,146)

#### Database

This section is used to define the path to the database, and to define the IP Address and IP Post of the server PC.

Parameter	Default	Description
Data Path		Specifies the full path of the <b>P-TRAQ</b> database. IE: DataPath = X:\PTRAQ\Shared\Database
Base IP Address		Specifies the network IP address of the server PC. IE: BaselpAddress = 000.000.000.000
Base IP Port		Specifies the port number to be used for communication with the server PC. IE: BaseIPPort= 23

#### **Company Tree**

This section is used to define the nodes on the tree view. Included are the main nodes as defined by the system, and a hierarchy of maps to define warehouse locations within your company. The "~" denotes the level in the tree.

Parameter	Default	Description
Node Name	Maintenance	Main Maintenance node
Node Name	~Pallet	
Node Name	~Vendor	
Node Name	Inquiry	Main Inquiry node
Node Name	~Job	
Node Name	Reports	
Node Name	~Aging	
Node Name	~Creation	
Node Name	~Cycle Count	
Node Name	~Discard	
Node Name	~Job	
Node Name	~Job With Date Range	

Parameter	Default	Description
Node Name	~Job With Comments Only	
Node Name	~Location	
Node Name	~Pallet History	
Node Name	Purge	Main Purge node
Node Name	~Inventory Purge	
Node Name	~Pallet Purge	
Node Name	Map View	Main Map node
Node Name	~World	
Node Name	~~North America	
Node Name	~~~USA	
Node Name	~~~~Wisconsin	
Node Name	~~~~Facility1	
Node Name	~~~~~Warehouse1	
Node Name	~~~~~Warehouse2	

#### Edit

This section is used to alter the data edit criteria of the system. The entries in this section consist of a Field Name followed by an equal sign, followed by a series of keywords and their associated values. The keyword and values sets are separated by semicolons. The use of spaces is optional.

Keyword	Default	Description
type	1	0 = Display Only 1 = Alphabetic or Numeric 2 = Alphabetic 3 = Numeric (no decimal) 4 = Numeric (decimal allowed) 5 = Date 6 = Time 8 = Yes/No
minl	1	Minimum number of characters which may be entered. Example: minl=3

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Keyword	Default	Description
maxl		Maximum number of characters which may be entered. Example: maxl=8
optreq	R	"R" = required, entry is required. "O" = optional, entry may be left blank. When left blank, the value defined by the "default" is inserted as if it were keyed by the operator. Example: optreq=o
default		Default value to be used if user leaves the entry blank. If the data is optional this entry is displayed automatically. Example: Default=1
format		Formats the parameter to allow for leading zeros, or the elimination of leading zeros. Example: format=00 (adds a leading zero to single digit number) Example: format=#0 (removes leading zero from 2 digit number)
minv		Minimum numeric value which may be entered. Example: minv=1
maxv		Maximum numeric value which may be entered. Example: maxv=999
scaler	2	Maximum number of digits which may follow decimal point. Example: scaler=2
pattern		A sequence of element size, type and constants. Multiple patterns are separated by commas. For example, a telephone number pattern might be: pattern=3N-4N, 3N-3N-4N
level	1	<ul> <li>0 = field may not be changed.</li> <li>1 = field may only be changed when P-TRAQ is in STOP mode.</li> <li>2 = field may be changed at any time. (Check with NASTech before using this feature).</li> </ul>
valdat		Used to define the valid entries for a given parameter. Valid entries are separated by commas. Example: valdat=a,b,c,d
Verify	No	Verifies the validity of the employee against the Employee table. Example: verify=yes

The following describes the default edit criteria for each entry field. The last group defines the edit criteria for entry fields on the remote terminals. To alter the edit criteria, place the command in the **Edit** section of the **Pressman.ini** file. To force a 7 digit numeric job number, enter the following command.

Parameter	Default Edit Criteria

Zone Depth

"type=20; minl=8; maxl=8"

## Chapter 4 Main Screen

## **Overview**

To run the system, double-click the desktop **P-TRAQ** icon.



This is the main screen. The main screen contains a Toolbar, the Tree View and the Map View.

Each section of the screen is defined on the following pages of this chapter.

## Toolbar

The Toolbar section of the screen contains the current map name, and buttons to control the various functions of the system.

USA	0	🙌 Availability	🙌 Job Search	🙌 Aging	🙌 Cycle Count
Details					
Map Nam	e As i curr	n the above ently viewe	e example, ed map.	"USA"	' is the name of the
Up Arrow	Use	d to ascen	d up a leve	l to the	e parent map if applicable.
Left Arrow	v Use	d to go bac	ck to the pr	evious	map.
Availabilit	y Turi	ns on Availa	ability mod	e (Defa	ault Mode)
Job Searc	ch Turi	ns on Job S	Search Mod	de.	
Aging	Turi	ns on Aging	g Mode.		
Cycle Cou	unt Turi	ns on Cycle	e Count Mo	de.	

## **Tree View**

The Tree View is used to select the Maintenance, Inquiry, and Report functions of the system, and to view a hierarchy of available maps.



#### Details

Maintenance	Used to access the Pallet and Vendor Maintenance screens.
Inquiry	Used to access the Job inquiry functions.
Reports	Used to access the Reports.
Map View	Used to display the map hierarchy and to change the currently displayed map.
<<<, >>>	Arrows are used to show or hide the Tree View.

## **Map View**

The Map View displays the currently selected map.



#### Details

Geographical Level	Geographical Level Maps are used to display warehouse locations when multiple warehouses are available. Markers as shown in <b>Fig 4.4a</b> are used to link to subsequent geographical maps, or directly to Facility level maps.
Facility Level	Facility Level Maps as shown in <b>Fig 4.4b</b> are drawn to scale and are displayed from top view. These maps contain both markers used to zoom in to warehouse levels, and clickable zones used to zoom in directly to a given zone.
Warehouse Level	Warehouse Level Maps as shown in <b>Fig 4.4c</b> , also displayed from top view, contain clickable zones used to zoom in to the zone level maps.
Zone Level	Zone Level Maps as shown in <b>Fig 4.4d</b> are displayed from left to right view and represent the view a person would have if they were standing in front of the zone and facing the zone.
# Chapter 5 Markers

This chapter explains the procedures used to set up markers, and to draw zone locations within a given warehouse. Also included are procedures to draw rooms when warehouse additions or any other physical changes to your facility have been completed.

Markers (as shown in Fig 5.3a) are used to link to subsequent maps when viewing Geographical Level or Facility Level Maps. They can also be used to name a given city or an area of your facility without linking.

Markers are saved to the Map Marker table of the PTRAQ.mdb database.



Fig 5.3a

When viewing a Geographical or Facility Level Map, right-click on the map to access the Marker dropdown menu.



### **New Marker**

Selecting the New Marker menu option opens the **Map Marker Maintenance** dialog box.

Map Marker Maintenance							
Link – Desc Link	None						
- Marke Mark	r Circle <b>v Style</b> Italic <b>v</b>						
Color	Light V Size 10 V						
Pos	Left 💌 Color Dark 💌						
OK Cancel Apply							

Desc	The name of the Marker as it will be displayed on the screen.
Link	Dropdown box to link the Marker to the map from the database.
Mark	Dropdown used to select the shape of the Marker.
Color	The Color of the Marker.
Pos	The position of the Marker in relation to the Marker Description (center, left or right).
Style	The style of the Marker Description font (regular, italic, bold or bold italic).
Size	The size of the Marker Description font size.
Color	The color of the Marker Description font color.

### Edit Marker

Selecting the Edit Marker menu option opens the **Map Marker Maintenance** dialog box. This menu option is only available upon right-clicking an existing Marker.

Мар М	arker Maintenance					
_ Link -						
Desc						
Link	None					
- Marke Mark	r Circle <b>v Style</b> Italic <b>v</b>					
Color	Light 🔻 Size 10 🔹					
Pos	Left 💌 Color Dark 💌					
OK Cancel Apply						

Desc	The name of the Marker as it will be displayed on the screen.
Link	Dropdown box to link the Marker to the map from the database.
Mark	Dropdown used to select the shape of the Marker.
Color	The Color of the Marker.
Pos	The position of the Marker in relation to the Marker Description (center, left or right).
Style	The style of the Marker Description font (regular, italic, bold or bold italic).
Size	The size of the Marker Description font size.
Color	The color of the Marker Description font color.

### **Delete Marker**

Selecting the Delete Marker menu option deletes the selected Marker. This menu option is only available upon clicking an existing Marker. A dialog box will be presented to verify the deletion.

### **Move Marker**

To move a marker, hold down the CTRL key on the keyboard, then click and drag the Marker to its new location.

### **Set Room Location**

The Set Room Location menu option is used to set the reference point of a given warehouse on the Facility Map.

This option is only available while viewing a Facility Level Map, and is only available upon right-clicking a Marker. After selecting this option, click in the top left-hand corner of the Warehouse on the associated Facility Map.

This should be performed prior to drawing any zones in the warehouse. If this is performed after zones have been added, the zones on the screen will be moved in relation to the new reference point.

## Zones

Zones are the graphical representation of the actual storage racks for the pallets in a warehouse. When zones are displayed within the warehouse, the assumption is that the user is looking at the zone from the top.

Zones may only be created and edited while viewing a Warehouse Level Map only.



To create a new Zone click on an area that does not currently contain a zone, hold the mouse button down, and drag the cursor to draw an outline of the new Zone as shown in **Fig 5.7b**.

The thick black lines surrounding <sup>3</sup>/<sub>4</sub> of the existing zones as shown in **Fig 5.7b** are used to represent the rear and sides of the associated zone. By default, Zones will be drawn from the first rear bay extending outward left to right as if facing the zone.



### **Zone Maintenance**

Once you release the mouse button the Zone Maintenance dialog box is displayed.

Zone Maintenance					
Zone ID					
Туре	Storage 💌				
X-Position	181'				
Y-Position	41'				
Bays	1-6				
Levels					
Depth	43				
Rotation	90				
Bay Width	53				
Bay Depth	60				
Alias					
Accept	Cancel				

Zone ID	The Zone ID number.
Туре	Dropdown list used to designate the zone as a Consumer, Shredder, Storage, or Vendor location. The consumer and shredder locations zero the quantity on the pallet. An example of a consumer location would be the bindery.
X-Position	The horizontal position in the warehouse of the rear first bay.
Y-Position	The vertical position in the warehouse of the rear first bay.
Bays	The number of horizontal bays.
Levels	The number of vertical levels.
Depth	The number of pallets that can be stored in the bay.
Rotation	Rotate the zone so it can represent the correct orientation within the warehouse.
Bay Width	The horizontal size of the bay in inches.
Bay Depth	The vertical size of the bay in inches.
Alias	The alias is another name for the zone. This field is optional and gives you the ability to use a more familiar name for a special zone. Zones with an alias can only have one bay (horizontal) and one level (vertical).
Accept	Creates the zone once all required fields have been updated.
Cancel	Cancels the transaction.

## Zone Menu

Right-Clicking an existing Zone on a Warehouse Level Map opens the Zone Menu.



Duplicate	Makes a copy of the selected Zone and opens the Zone Maintenance dialog box to make the necessary changes to the new Zone.
Edit	Opens the Zone Maintenance dialog box to allow changes to be made to the selected Zone.
Rotate Clockwise	Rotates the selected zone 90 degrees clockwise.
Rotate 180	Rotates the selected zone 180 degrees.
Rotate Counter	Rotates the selected zone 90 degrees counter- clockwise.
Delete	Deletes the selected zone. A dialog box will be presented to confirm the deletion.
Request Cycle Count	Used to create a Cycle Count for the zone with today's date.
Cancel Cycle Count	Used to delete the Cycle Count that already exists for this zone.

### **Depth Maintenance**

To change the depth of an existing zone location, click the bay location on a Zone Level Map, and select Depth Maintenance from the menu.

Zone A	<b>Bay</b> 1	Level	Depth - Used	1 <b>= Avail.</b> 0	Total         • Used           460         501	= Avail. -41
						Allocate Storage Depth Maintenance

Selecting the Depth Maintenance option opens the Depth Maintenance Screen.

🛱 Depth Maintenance 💦 🔀						
Zone ID	A					
Bay	1					
Level	2					
Depth	5		-			
OK Cancel						

Select the Depth of the Zone from the dropdown list or enter an amount up to 99. If the zone can hold an unlimited amount, you can enter "-1" or choose "Unlimited" from the dropdown box. If the location is set to an unlimited depth, it will never show up as having an overflow condition. Click the OK button to complete.

# Chapter 6 Toolbar

The Toolbar section of the screen contains the current map name, and buttons to control the various functions of the system.

	USA 🕢	🙌 Availability	🙌 Job Search	🙌 Aging	🙌 Cycle Count
--	-------	----------------	--------------	---------	---------------

### Map Name

The Map Name section displays the name of the currently viewed map. The Up Arrow is used to ascend up a level to the parent map if applicable.

## Availability

The Availability button turns on Availability mode. When viewing Facility Level, Warehouse Level, or Zone Level Maps, the bays are colored using green and white to provide a graphical representation of bay availability.



As shown in Fig 6.1a, bays colored in Dark Green represent full bays.

Bays colored in a Light Green color represent partially full bays.

Bays shown in white represent empty bays.

## Job Search

The Job Search button turns on Job Search mode and expands the Job Toolbar to allow entry of the customer, job and/or part number that you want to search for.

🙌 Job Search 🛛 Cu	ust ID Job #	Part ID	6 📀
-------------------	--------------	---------	-----

After entering a Customer ID or a Job Number (and/or optional Part ID), the user can start the associated search by clicking the green arrow button. The red X button is used to cancel the search.

When viewing Facility Level, Warehouse Level, or Zone Level Maps, the bays are colored using blue and white to provide a graphical representation of the location of pallets for the associated job.



Fig 6.2a

As shown in **Fig 6.2a**, bays colored in **Blue** represent those bays that contain pallets for the associated job.

# Aging

The Aging button turns on Aging mode and expands the Aging Toolbar to allow entry of the associated search parameters.

🙌 Aging	Basis	Creation Date	•	Age	>	30 days	-	[	Ģ	9	$\otimes$	

After selecting the search basis (Creation Date or Last Activity Date), and the age of the pallets, the user can start the associated search by clicking the green arrow button. The red X button is used to cancel the search.

When viewing Facility Level, Warehouse Level, or Zone Level Maps, the bays are colored using brown and white to provide a graphical representation of the location of the associated pallets.

Fig 6.3a

As shown in **Fig 6.3a**, bays colored in **Dark Brown** represent bays full of pallets that fit the search criterion.

Bays colored in a **Light Brown** color represent bays partially full of pallets that fit the search criterion.

Bays shown in white represent those bays that do not contain pallets that fit the search criterion.

# **Cycle Count**

The Cycle Count Button turns on Cycle Count Mode.



After clicking the Cycle Count Button the user can start the associated search by clicking the green arrow button. The red X button is used to cancel the search.

When viewing Facility Level, Warehouse Level, or Zone Level Maps, the bays are colored using red and white to provide a graphical representation of the bays that are marked for a cycle count.



As shown in Fig 6.3a, bays colored in **Dark Red** represent bays that are marked for a cycle count.

Bays colored in a **Light Red** color represent bays for which the cycle count procedure has been partially completed.

Bays colored in a **White** color represent bays for which the cycle count procedure has been fully completed.

# Chapter 7 Tree View

### Maintenance

The Maintenance Tree View Option allows you to add new or modify existing Pallets and Vendors.



### Pallet

Selecting the Pallet menu option opens the Pallet Maintenance screen.

When viewing an existing Pallet in the Zone Map, selecting this option will automatically fill in all fields from the database for subsequent editing. Otherwise, all fields will be blank.

If you enter an existing Pallet ID, the system will automatically fill in all fields for the associated Pallet from the database for editing. You may also enter a job number which will present a list of all Pallets for the associated Job for selection.

Pallet Mainten	ance
Pallet ID	
Job ID	
Cust ID	
Part ID	
Skid #	
Sequence #	
Quantity	Gity Per Bundle
Location	
Vendor ID	
Description	
	Discard?
Save	Cancel Print

Hold?

Checking this field will set the status of the pallet to "on hold". Pallets marked as "on hold" will not be identified to the forklift driver as available.

- Save Saves the associated record.
- **Cancel** Cancels the addition or modification.
- Print Prints the Pallet information.

### Vendor

Selecting the Vendor menu option opens the Vendor Maintenance screen.

If you enter an existing Vendor ID, the system will automatically fill in all fields for the associated Vendor from the database for editing.

Vendor Mainte	enance		
Vendor ID			
Venuorio			
News			
Name			
1			
File	Cancel		

File	Saves the associated record.
Cancel	Cancels the addition or modification.

### Inquiry

The Inquiry Tree View Option allows you to perform a Job Inquiry search.



### Job

Selecting the Job menu option expands the Job Heading to allow entry of the job number you wish to search for.

🙌 Job Search 🛛 Cust ID 📄	Job #	Part ID	ی 📀
--------------------------	-------	---------	-----

After entering a Customer ID, Job Number or optional Part ID, clicking the green arrow button starts the associated search. The red X button is used to cancel the inquiry.

# Reports

The Inquiry Tree View Option allows you to perform a Job Inquiry search.



## Aging

Selecting the Aging menu option opens the WIP Inventory Aging dialog box.

🖘 WIP Inventory Aging 🛛 🛛 🔀		
Age Basis	Creation	•
Days Old	> 30 Days	-
ОК	Cancel	

Age Basis	Used to search for pallets by Creation date, or by th Last Transaction date.	
Days Old	Used to select the number of days to search.	
ОК	Used to generate the report.	
Cancel	Used to cancel the report.	

Quantity Location Description

# **WIP Inventory Aging**

30 Days old , based on Creation date
Date Job # Customer

Date	The Creation date of the pallet.
Job #	The Job Number.
Customer	The Customer Name.
Pallet #	The Pallet Number.
Part ID	The Part ID Number.
Туре	The Pallet Type.
Quantity	The Quantity on the pallet.
Location	The Location of the pallet.
Description	The optional Description of the pallet.

Pallet #

Part ID Type

### Creation

Selecting the Creation Menu option opens the WIP Inventory by Creation Date Dialog box.

🕏 WIP Inventory By Creation Date 🛛 🛛			
Whse			
Start Date	07/31/07		
End Date	07/31/07		
ОК	Cancel		

Whse	The warehouse to search.	
Start Date	The Starting Date of the search. Clicking in this tex field brings up a calendar. The user can click on a specific date on the calendar and the date will populate this field.	
End Date	The Ending Date of the search. Clicking in this text field brings up a calendar. The user can click on a specific date on the calendar and the date will populate this field.	
ОК	Used to generate the report.	
Cancel	Used to cancel the report.	

Quantity Emp

# WIP Inventory By Creation Date

Date

Time Job#

Part ID Customer

Date	The Creation date of the pallet.
Time	The Creation Time of the pallet.
Job #	The Job Number.
Part ID	The Part ID Number.
Customer	The Customer Name.
Pallet #	The Pallet Number.
Skid	The Skid Number.
Туре	The Pallet Type.
Quantity	The Quantity on the pallet.
Emp	The Employee Number.

Pailet #

Skid Type

## **Cycle Count**

Selecting the Cycle Count Menu option opens the Cycle Count Dialog box.

65 C	ycle Count	
	Whse	
	Begin Zone	
	End Zone	
	Alias	
	Empty?	
	ОК	Cancel

Whse	The warehouse to search.
Begin Zone	The Starting Zone.
End Zone	The Ending Zone of the search.
Alias	Another name for the given zone.
Empty?	Allows empty bay locations to be displayed on the report.
ОК	Used to generate the report.
Cancel	Used to cancel the report.

Cycle	e Col	unt through Z								
Date	Time	Job #	Customer	Pallet #	Quantity	Current Location	Date	Last Tran Time	Emp	

Date	The Date the Cycle Count was completed.
Time	The Time the Cycle Count was completed.
Job #	The Job Number.
Customer	The Customer Name.
Pallet #	The Pallet Number.
Quantity	The Quantity on the pallet.
Location	The Location of the pallet.
Date	The Last Transaction Date of the pallet.
Time	The Last Transaction Time of the pallet.
Emp	The Employee Number who completed the last transaction.

## Job

Selecting the Job Menu option opens the WIP Inventory by Job Dialog box.



The Customer Number.
The Job Number.
The Part Number.
Used to generate the report.
Used to cancel the report.

WIF	P Inve	entory	By	/ Jo	b									
Job 0	609068													
Job #	PartID	Pallet #	Skid	Туре	Location	WIP Quantity	Consumed Quantity	Date	Time	Emp	Location 2	Location 3	Description	

Job #	The Job Number.
Part ID	The Customer Name.
Pallet #	The Pallet Number.
Skid	The Skid Number.
Туре	The Pallet Type.
Location	The Location of the job's pallet.
Pallet #	The Pallet Number.
WIP Quantity	The Quantity on the pallet.
Consumed Quant.	The Consumed Quantity.
Date	The Date the pallet was created.
Time	The Time the pallet was created.
Emp	The Employee Number who completed the last transaction.
Location 2	The second Location.
Location 3	The third Location.
Description	The optional Description of the pallet

### Job With Date Range

Selecting the Job With Date Range Menu option opens the WIP Inventory by Job With Date Range Dialog box.

🕏 WIP Inventory By Job with Da 🔀						
Customer						
Job #	0509068					
Part #						
Start Date	07/31/07					
End Date	07/31/07					
ОК	Cancel					

Customer	The Customer Name.
Job #	The Job Number.
Part #	The Part Number.
Start Date	The Starting Date of the search. Clicking in this text field brings up a calendar. The user can click on a specific date on the calendar and the date will populate this field.
End Date	The Ending Date of the search. Clicking in this text field brings up a calendar. The user can click on a specific date on the calendar and the date will populate this field.
ОК	Used to generate the report.
Cancel	Used to cancel the report.

Job 0509068 WIP Consumed Job # Part ID Pallet # Skid Type Location Quantity Date Time Emp Location 2 Location 3 Description	WIF	P Inv	entory	Ву	Jo	b									
WIP Consumed Job # Part ID Pallet # Skid Type Location Quantity Quantity Date Time Emp Location 2 Location 3 Description	Job 05	509068													
	Job #	Part ID	Pallet #	Skid	Туре	Location	WIP Quantity	Consumed Quantity	Date	Time	Emp	Location 2	Location 3	Description	

Job #	The Job Number.
Part ID	The Customer Name.
Pallet #	The Pallet Number.
Skid	The Skid Number.
Туре	The Pallet Type.
Location	The Location of the job's pallet.
Pallet #	The Pallet Number.
WIP Quantity	The Quantity on the pallet.
Consumed Quant.	The Consumed Quantity.
Date	The Date the pallet was created.
Time	The Time the pallet was created.
Emp	The Employee Number who completed the last transaction.
Location 2	The second Location.
Location 3	The third Location.
Description	The optional Description of the pallet

### **Job With Comments**

Selecting the Job With Comments Menu option opens the WIP Inventory by Job With Comments Dialog box.

🕏 WIP Inventory By Job with Co 🔀						
0509068						
Cancel						

Customer	The Customer Name.
Job #	The Job Number.
Part #	The Part Number.
ОК	Used to generate the report.
Cancel	Used to cancel the report.

WIP	Inve	entory	By	/ Jo	b									
Job 050	9068													
Job #	Part ID	Pallet #	Skid	Туре	Location	WIP Quantity	Consumed Quantity	Date	Time	Emp	Location 2	Location 3	Description	

Job #	The Job Number.
Part ID	The Customer Name.
Pallet #	The Pallet Number.
Skid	The Skid Number.
Туре	The Pallet Type.
Location	The Location of the job's pallet.
Pallet #	The Pallet Number.
WIP Quantity	The Quantity on the pallet.
Consumed Quant.	The Consumed Quantity.
Date	The Date the pallet was created.
Time	The Time the pallet was created.
Emp	The Employee Number who completed the last transaction.
Location 2	The location of the pallet previous to its current location.
Location 3	The location of the pallet, previous to location 2.
Description	The optional Description of the pallet.

## Location

Selecting the Location Menu option opens the WIP Inventory by Location Dialog box.

🕏 WIP Inventory By Location 🛛 🔀					
Whse	WP				
Begin Zone	A				
End Zone	Z				
Empty?					
ОК	Cancel				

The Warehouse to search.
The Starting Zone.
The Ending Zone of the search.
Allows empty bay locations to be shown on the report.
Used to generate the report.
Used to cancel the report.



Job #	The Job Number.
Part ID	The Customer Name.
Pallet #	The Pallet Number.
Skid	The Skid Number.
Туре	The Pallet Type.
Location	The Location of the job's pallet.
WIP Quantity	The Quantity on the pallet.
Consumed Quant.	The Consumed Quantity.
Date	The Date the pallet was created.
Time	The Time the pallet was created.
Emp	The Employee Number who completed the last transaction.
Location 2	The location of the pallet previous to its current location.
Location 3	The location of the pallet, previous to location 2.
Description	The optional Description of the pallet.

## History

Selecting the History Menu option opens the WIP pallet History Dialog box.

🕫 WI	P Pallet His	tory 🔀
	Pallet ID	
	ок	Cancel
-		

Pallet ID	The Pallet ID.
ОК	Used to generate the report.
Cancel	Used to cancel the report.

Pallet ID H	Palle	et H	listo	ry						
Job #	Part ID	Skid	Туре	Date	Time	Quantity	Location	Emp	Description	

Job #	The Job Number.
Part ID	The Part Number.
Skid	The Skid Number.
Date	The Date the pallet was created.
Time	The Time the pallet was created.
Quantity	The Quantity on the pallet.
Location	The Location of the pallet.
Emp	The Employee Number who completed the last transaction.
Description	The optional Description of the pallet.

# Chapter 8 Map View

The Map View displays the currently selected map. The following explains the procedures used to navigate the Map View.

# **Geographical Level**

Geographical Level Maps as shown in **Fig 8.1a** are used to display warehouse locations when multiple warehouses are available. Markers are used to link to subsequent geographical maps, or directly to Facility level maps.



# **Facility Level**

Facility Level Maps as shown in **Fig 8.1b** are drawn to scale and are displayed from top view. These maps contain both markers used to zoom in to warehouse levels, and clickable zones used to zoom in directly to a given zone.



Right-Clicking on a given point on a Facility Level map displays the Marker Menu as described in the Screen Setup chapter of this guide.

### Warehouse Level

Warehouse Level Maps as shown is **Fig 8.2a** are also displayed from top view, contain clickable zones used to zoom in to the zone level maps.



### Procedures

Clicking and dragging from a given point on a Warehouse Level map allows a new zone to be drawn as described in the Screen Setup chapter of this guide.

Right-Clicking an existing zone opens the Zone Menu as described in the Screen Setup chapter of this guide.

Clicking an existing zone while holding the CTRL key allows an existing zone to be relocated within the warehouse (as described in the Screen Setup chapter of this guide).

Right-Clicking an area of the warehouse that does not currently contain a zone opens the Cycle Count Menu.



### **Request Cycle Count**

The Request Warehouse Cycle Count Menu option is used to request a cycle count for the entire warehouse. Requesting a Cycle count must be done before forklift operators are asked to do a cycle count in the warehouse. The forklift operator will use the RF function called "Cycle Count" to complete the cycle count for each location in the warehouse.

### **Cancel Cycle Count**

The Cancel Warehouse Cycle Count Menu option is used to cancel the Cycle Count request.

## Zone Info

Moving the mouse over an existing column of bays expands the toolbar to display the Zone Info toolbar.

Zone ID	X-Pos	Y-Pos	Bays	Levels	Depth	Rotate	Bay	Alias
A	109'	105'	23	4	5	270	6	

Zone ID	The alphabetical Zone location.
X-Pos	The Horizontal position of the top left corner of the Zone as it relates to the warehouse.
Y-Pos	The Vertical position of the top left corner of the Zone as it relates to the warehouse.
Bays	The number of Bays wide.
Levels	The number of Bays tall.
Depth	The number pallets that can be stored in the Bay location.
Rotate	The position of the top left corner of the Zone as it relates to the upper left corner of the warehouse.
Вау	The current Bay location under the mouse.
Alias	Another name for the Bay location.

## Zone Level

Zone Level Maps as shown in **Fig 8.4a** are displayed from left to right view as if standing in front of the Zone.



### Procedures

Clicking on a bay location displays the Bay Maintenance Menu.



Right Clicking on a bay location displays the Bay Info Menu.



### Allocate Storage

Used to allocate storage to a certain job and part ID. When pallets are ready to be stored for the job and part ID, one of the locations allocated will display on the RF screen as a recommended storage location for the pallet. Pallets from other jobs or part ID's will not be denied storage in the location. The allocated storage location is just a recommended location in order for warehouse management to organize jobs in the warehouse.

### **Depth Maintenance**

The Depth Maintenance menu option is used to set a new depth of the bay location. This overrides the number set for the associated Bay Location as it relates to the entire Zone. The depth can be set to zero, any number or the word, "Unlimited". Setting the depth to unlimited is used to stop the zone display from showing an overflowing location. This is useful when the amount of space in the location can not be determined or is unimportant. A pallet can be moved to a location that shows on the zone display to be overflowing but physically has space. Therefore, the depth of a location is used for informational purposes only and not as a limitation.
### Availability

The Availability menu option is used to view the Zone in Availability Mode.



### Allocation

The Allocation menu option is used to view the Zone in Allocation Mode.



In Availability Mode, the numbers displayed represent the number of pallets in each Bay location.

In Job Search Mode, the numbers displayed represent the number of pallets for the associated job which are stored in the associated Bay location.

In Aging Mode, the numbers displayed represent the number of pallets that fit the search criteria which are stored in the associated Bay location.

### **Bay Overload**

When the number of pallets stored in a Bay Location in the database exceeds the maximum allowable number that can be stored in the physical location, the system will draw a yellow X through the Bay Location, as shown below.



#### **Print Placards**

The Print Placards menu option displays the Print Placards Screen. Placards are used to identify Bay Locations. The Barcodes should be adhered to the actual Bay Location for scanning with the RF controller.

🕏 Print Plac	ards 🛛 🔀
Warehouse	S2
Zone	N
Number Up	2
ок	Cancel

Warehouse	The Warehouse.
Zone	The Zone ID.
Number Up	The number of copies to print.
ОК	Prints the Placards.
Cancel	Cancels the request.

Once the required parameters have been entered, clicking the OK button prints the placards in PDF format.



### Pallet Information

The Pallet Information menu option displays the Pallet Information Screen.

The left side of the screen lists all the pallets stored in the associated Bay location.

The right side of the screen displays the pallet information of the currently selected pallet.

8	Pallet Info	rmation			X
	PalletID	Description	Pallet ID	B0470666	1 of 3
	B0470666	SAKS, INC.	Joh ID	0303052	
	D0474296	TARGET STORES INC			
	G1290758	SAKS, INC.	Cust ID	S0146	SAKS, INC.
			Part ID	0001	]
			Skid #	26	Created 10/11/2006 @ 11:37:39
			Sequence	500	Last Trans 11/15/2006 @ 11:37:39
			Quantity	18,527	Per Bundle 0
			Location	F1B-008-B	]
			Vendor ID		
			Description	2222222222	
			Hold?		History

Pallet ID	The Pallet ID.
Job ID	The Job number and description.
Customer ID	The Customer number and name.
Part ID	The Part ID.
Skid #	The Skid number and creation date.
Creation Date	Date the pallet was created.
Sequence	Used to identify the pallet's sequence in production.
Last Trans	Date the pallet was last moved or it's quantity was changed.
Location	The Bay location ID.
Vendor ID	The Vendor number and name.
Description	This is the description of the pallet. It is for reporting purposes.
Hold?	Checking this field will set the status of the pallet to "on hold". Pallets marked as "on hold" will not be identified to the forklift driver as available.
History	Used to generate and view the pallet history report.

## **Chapter 9 Utilities**

### **Overview**

The **P-TRAQ** system contains several programs designed to perform system maintenance, to perform system updates, and to be used when **P-TRAQ** is to communicate with other systems. The following describes these programs in detail.

## DataCopy

In some cases when the software is updated, new fields are added, deleted or changed in the **P-TRAQ** database. DataCopy is used to copy tables in the current database to the new tables in the updated database.

DataCopy should be executed on the server and on the whenever the current database structure has been modified. However, when using SQL server, Data Copy is not required to be run on the server.

To execute from the Server, double click the **DataCopy.exe** in the **PTRAQ**\**Shared** directory.

📮 Copy Database 📃 🗆 🔀				
P-TRAQ			Close	
Ver 6.3.3				
Database			Continue	
Table	6			
Database	Table	Record Count	Copy Count 🔺	
WipTrack	Company	0	0	
WipTrack	CostCenter	0	0	
WipTrack	CycleCount	0	0	
WipTrack	DataDef	0	0	
WipTrack	Division	0	0	
WipTrack	Drop	0	0 🔻	

• To begin the copy process, click the **Continue** button.

### DataLoad

Data Load is used to extract and transfer data from the Primac Master Files to the **P-TRAQ** database. The DataLoad download criterion is user defined in the **DataLoad.ini** file located in the **C:\PTRAQ\Shared\Init** directory on the server. The file itself contains a description of each required parameter.

To execute, double click the **DataLoad.exe** in the **C:\PTRAQ\Shared** directory on the server.

📮 Datal	oad									X
P-TR Datab	AQ Ver 6.	4.5	Lo	ocal Pau	se in Pro	gress		_ [	Close	]
					LastScan			LastUpdate		-
Сору	Database	Table	Mode	Date	Time	Count	Date	Time	Count	
	Remote	NDCCOP	Offsite -> Network				29			
										Ŧ

To begin the copy process, click the **Continue** button. To expedite the flow of data to and from the server, tables can be copied in real time by clicking the associated **Copy** button.

DataLoad should be left running on the server at all times, however, you may Schedule the task as outlined in the following:

Using Windows "Scheduled Tasks", you may schedule **DataLoad** to run periodically. The following is the procedure to set up the task:

- Choose Start ControlPanel SheduledTasks
- Click "Add Scheduled Task".
- Click "Next".
- Click the "*Browse*" button and browse the server to the PTRAQ\Shared directory and select the **DataLoad.exe** file.
- Follow the instructions to select the time and enter the user name and password when prompted.
- Check the box marked "Open Advanced Properties for this Task when I click Finish" button and click the finish button.
- In the *Run* field, change the path to read exactly as in the following: C:\PTRAQ\Shared\DataLoad.exe AUTO
- In the Start In field, make sure the path is as following:
  C:\PTRAQ\Shared

## SysUpd

SysUpd is used to copy the latest Programs for the server whenever a system update is performed.

To execute, double click the **SysUpd** icon on the Client Computer's desktop.

To begin the update process, click the **Update** button.

System Update (Version: 6.3)	.1) 📃 🗖 🔀
System opdate (version, o.s.   P-TRAQ   System opdate (version, o.s.   WipTrack.exe  System opdate (version, o.s.   WipTrack.exe  System opdate (version, o.s.)   WipTrack.exe  System opdate (version, o.s.)   WipTrack.exe  System opdate (version, o.s.)   Netrice (version, order opdate (version, order opdat	2nd Pass
Update	

### WIP\_Security

User Security is used to set the security level or overall access of users of the system. This program is used for two distinct purposes. The first is to record the security level of P-TRAQ client users. The user ID pertains to the Windows user ID and the level dictates the amount of editing control the user has in the P-TRAQ program. The employee field is not accessible in this option. The second purpose of the program is to allow RF users to gain access to the WIP RF menu. In this situation, the user ID is always "RF" and the employee field must be entered with a valid employee ID. This employee ID is supplied by an outside system to the P-TRAQ database. After a valid employee ID is entered, the employee name will display in the name field, as verification of the employee ID. The level field is not used in this situation.

To execute, double click the **WIP\_Security.exe** in the **PTRAQ\Shared** directory on the server.

📮 p-tr/	AQ User Secu	rity	_ 🗆 🛛
ech	User ID	RF	
AST	Employee	1000	
R	Name	John Smith	
	Level	User	-
ecurity	I WIP	☐ Shipping	☐ Non-Mail
User S	Save	Delete	Cancel

User ID	For Client software users, enter the Windows logon ID. For RF users, enter RF in this field.
Employee	The Employee number of the RF user whose security level is to be modified. For Client software users, this field is not accessible.
Name	The Employee name of the RF user is displayed here for verification purposes.
Level	Used to select the security level as User, Manager, Admin, or Super User.
User Level	An employee with User Level access can run reports, use the inquiry options, create and edit pallets.

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Manager Level	Manager Level employees can edit racks within a division, print placards and allocate racks to a job in addition to all other User Level Functions.
Admin Level	Admin Level employees can create warehouses within a division in addition to all other Manager Level Functions.
Super User Level	Super User Level employees can perform all system functions across all company-wide divisions.
WIP	This check box is only used for RF users. Check the WIP box if the RF user can access the WIP RF menu.
Shipping	This check box is only used for customers that have a custom addition to P-TRAQ.
Non-Mail	This check box is only used for customers that have a custom addition to P-TRAQ.

## Appendix A RF Controllers

While the P-TRAQ system supports most RF controllers on the market, please contact NASTech personnel before purchasing one to ensure compatibility.

### Install

• Install as per the manufacturer's instructions.

### Connect

• The RF controller is typically connected to your PC using the serial port.

### Configure

• The RF controller communicates to the P-TRAQ server computer over Ethernet port 50080.

### Troubleshoot

- Ensure that the PC to which the controller is connected has access over the network to the P-TRAQ server computer.
- Ensure that the unit is connected properly to the PC's serial port.