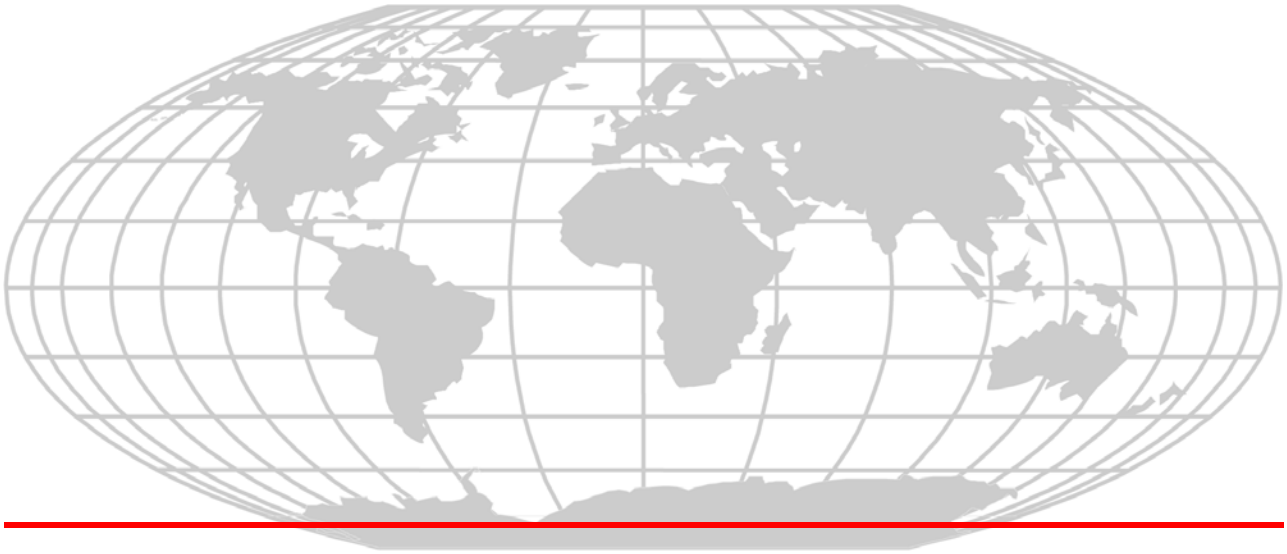
NOTIFIER®
by Honeywell



# ONYXWorks®
# Configuration Tool

## Installation and Operation Manual

Document 53038
7/16/2015 Rev: A9
P/N 53038:A9 ECN 15-0323

# Fire Alarm & Emergency Communication System Limitations

*While a life safety system may lower insurance rates, it is not a substitute for life and property insurance!*

**An automatic fire alarm system**—typically made up of smoke detectors, heat detectors, manual pull stations, audible warning devices, and a fire alarm control panel (FACP) with remote notification capability—can provide early warning of a developing fire. Such a system, however, does not assure protection against property damage or loss of life resulting from a fire.

**An emergency communication system**—typically made up of an automatic fire alarm system (as described above) and a life safety communication system that may include an autonomous control unit (ACU), local operating console (LOC), voice communication, and other various interoperable communication methods—can broadcast a mass notification message. Such a system, however, does not assure protection against property damage or loss of life resulting from a fire or life safety event.

The Manufacturer recommends that smoke and/or heat detectors be located throughout a protected premises following the recommendations of the current edition of the National Fire Protection Association Standard 72 (NFPA 72), manufacturer's recommendations, State and local codes, and the recommendations contained in the Guide for Proper Use of System Smoke Detectors, which is made available at no charge to all installing dealers. This document can be found at http://www.systemsensor.com/appguides/. A study by the Federal Emergency Management Agency (an agency of the United States government) indicated that smoke detectors may not go off in as many as 35% of all fires. While fire alarm systems are designed to provide early warning against fire, they do not guarantee warning or protection against fire. A fire alarm system may not provide timely or adequate warning, or simply may not function, for a variety of reasons:

**Smoke detectors** may not sense fire where smoke cannot reach the detectors such as in chimneys, in or behind walls, on roofs, or on the other side of closed doors. Smoke detectors also may not sense a fire on another level or floor of a building. A second-floor detector, for example, may not sense a first-floor or basement fire.

**Particles of combustion or "smoke"** from a developing fire may not reach the sensing chambers of smoke detectors because:

- Barriers such as closed or partially closed doors, walls, chimneys, even wet or humid areas may inhibit particle or smoke flow.
- Smoke particles may become "cold," stratify, and not reach the ceiling or upper walls where detectors are located.
- Smoke particles may be blown away from detectors by air outlets, such as air conditioning vents.
- Smoke particles may be drawn into air returns before reaching the detector.

The amount of "smoke" present may be insufficient to alarm smoke detectors. Smoke detectors are designed to alarm at various levels of smoke density. If such density levels are not created by a developing fire at the location of detectors, the detectors will not go into alarm.

Smoke detectors, even when working properly, have sensing limitations. Detectors that have photoelectronic sensing chambers tend to detect smoldering fires better than flaming fires, which have little visible smoke. Detectors that have ionizing-type sensing chambers tend to detect fast-flaming fires better than smoldering fires. Because fires develop in different ways and are often unpredictable in their growth, neither type of detector is necessarily best and a given type of detector may not provide adequate warning of a fire.

Smoke detectors cannot be expected to provide adequate warning of fires caused by arson, children playing with matches (especially in bedrooms), smoking in bed, and violent explosions (caused by escaping gas, improper storage of flammable materials, etc.).

**Heat detectors** do not sense particles of combustion and alarm only when heat on their sensors increases at a predetermined rate or reaches a predetermined level. Rate-of-rise heat detectors may be subject to reduced sensitivity over time. For this reason, the rate-of-rise feature of each detector should be tested at least once per year by a qualified fire protection specialist. Heat detectors are designed to protect property, not life.

**IMPORTANT! Smoke detectors** must be installed in the same room as the control panel and in rooms used by the system for the connection of alarm transmission wiring, communications, signaling, and/or power. If detectors are not so located, a developing fire may damage the alarm system, compromising its ability to report a fire.

**Audible warning devices such as bells, horns, strobes, speakers and displays** may not alert people if these devices are located on the other side of closed or partly open doors or are located on another floor of a building. Any warning device may fail to alert people with a disability or those who have recently consumed drugs, alcohol, or medication. Please note that:

- An emergency communication system may take priority over a fire alarm system in the event of a life safety emergency.
- Voice messaging systems must be designed to meet intelligibility requirements as defined by NFPA, local codes, and Authorities Having Jurisdiction (AHJ).
- Language and instructional requirements must be clearly disseminated on any local displays.
- Strobes can, under certain circumstances, cause seizures in people with conditions such as epilepsy.
- Studies have shown that certain people, even when they hear a fire alarm signal, do not respond to or comprehend the meaning of the signal. Audible devices, such as horns and bells, can have different tonal patterns and frequencies. It is the property owner's responsibility to conduct fire drills and other training exercises to make people aware of fire alarm signals and instruct them on the proper reaction to alarm signals.
- In rare instances, the sounding of a warning device can cause temporary or permanent hearing loss.

**A life safety system** will not operate without any electrical power. If AC power fails, the system will operate from standby batteries only for a specified time and only if the batteries have been properly maintained and replaced regularly.

**Equipment used in the system** may not be technically compatible with the control panel. It is essential to use only equipment listed for service with your control panel.

**Telephone lines** needed to transmit alarm signals from a premises to a central monitoring station may be out of service or temporarily disabled. For added protection against telephone line failure, backup radio transmission systems are recommended.

**The most common cause** of life safety system malfunction is inadequate maintenance. To keep the entire life safety system in excellent working order, ongoing maintenance is required per the manufacturer's recommendations, and UL and NFPA standards. At a minimum, the requirements of NFPA 72 shall be followed. Environments with large amounts of dust, dirt, or high air velocity require more frequent maintenance. A maintenance agreement should be arranged through the local manufacturer's representative. Maintenance should be scheduled monthly or as required by National and/or local fire codes and should be performed by authorized professional life safety system installers only. Adequate written records of all inspections should be kept.

Limit-D-1-2013

# Installation Precautions

*Adherence to the following will aid in problem-free installation with long-term reliability:*

**WARNING - Several different sources of power can be connected to the fire alarm control panel.** Disconnect all sources of power before servicing. The control unit and associated equipment may be damaged by removing and/or inserting cards, modules, or interconnecting cables while the unit is energized. Do not attempt to install, service, or operate this unit until this manual is read and understood.

**CAUTION - System Reacceptance Test after Software Changes.** To ensure proper system operation, this product must be tested in accordance with NFPA 72 after any programming operation or change in site-specific software. Reacceptance testing is required after any change, addition or deletion of system components, or after any modification, repair or adjustment to system hardware or wiring.

All components, circuits, system operations, or software functions known to be affected by a change must be 100% tested. In addition, to ensure that other operations are not inadvertently affected, at least 10% of initiating devices that are not directly affected by the change, up to a maximum of 50 devices, must also be tested and proper system operation verified.

**This system** meets NFPA requirements for operation at 0°C to 49°C (32°F to 120°F) and at a relative humidity 93% ± 2% RH (non-condensing) at 32°C ± 2°C (90°F ± 3°F). However, the useful life of the system's standby batteries and the electronic components may be adversely affected by extreme temperature ranges and humidity. Therefore, it is recommended that this system and all peripherals be installed in an environment with a nominal room temperature of 15-27° C/60-80° F.

**Verify that wire sizes are adequate** for all initiating and indicating device loops. Most devices cannot tolerate more than a 10% I.R. drop from the specified device voltage.

**Like all solid state electronic devices,** this system may operate erratically or can be damaged when subjected to lightning-induced transients. Although no system is completely immune from lightning transients and interferences, proper grounding will reduce susceptibility. Overhead or outside aerial wiring is not recommended, due to an increased susceptibility to nearby lightning strikes. Consult with the Technical Services if any problems are anticipated or encountered.

**Disconnect AC power and batteries** prior to removing or inserting circuit boards. Failure to do so can damage circuits.

**Remove all electronic assemblies** prior to any drilling, filing, reaming, or punching of the enclosure. When possible, make all cable entries from the sides or rear. Before making modifications, verify that they will not interfere with battery, transformer, and printed circuit board location.

**Do not tighten screw terminals** more than 9 in-lbs. Over-tightening may damage threads, resulting in reduced terminal contact pressure and difficulty with screw terminal removal.

**Though designed to last many years,** system components can fail at any time. This system contains static-sensitive components. Always ground yourself with a proper wrist strap before handling any circuits so that static charges are removed from the body. Use static-suppressive packaging to protect electronic assemblies removed from the unit.

**Follow the instructions** in the installation, operating, and programming manuals. These instructions must be followed to avoid damage to the control panel and associated equipment. FACP operation and reliability depend upon proper installation by authorized personnel.

# FCC Warning

**WARNING:** This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instruction manual may cause interference to radio communications. It has been tested and found to comply with the limits for class A computing devices pursuant to Subpart B of Part 15 of FCC Rules, which is designed to provide reasonable protection against such interference when devices are operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference, in which case the user will be required to correct the interference at his or her own expense.

**Canadian Requirements**

This digital apparatus does not exceed the Class A limits for radiation noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

Le present appareil numerique n'emet pas de bruits radioelectriques depassant les limites applicables aux appareils numeriques de la classe A prescrites dans le Reglement sur le brouillage radioelectrique edicte par le ministere des Communications du Canada.

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- The content you think should be corrected/improved
- Detailed suggestions for correction/improvement

**Documents** – Please include the following information:

- Document part number and title
- Page number and paragraph
- The content you think should be corrected/improved
- Detailed suggestions for correction/improvement

**Please Note:** If you have any technical issues, please contact Technical Services.

# Manual Usage

This manual is written with the understanding that the user has been trained in the proper operations and services for this product. The information provided in this manual is intended to assist the user by describing the configurations and how they affect operations.

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# Section 1 About This Manual

## 1.1 Manual Conventions

**NOTE:** In this document, unless expressly written otherwise, when the term “ONYXWorks Workstation” or “workstation” is used, those terms refer to the software application and the computer it is installed on as one.

### 1.1.1 Notes, Cautions, and Warnings

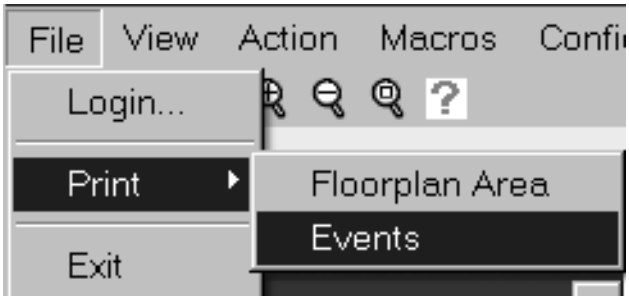
This manual contains notes, cautions, and warnings to alert the reader as follows:

**NOTE:** Supplemental information for a topic, such as tips and references.

**CAUTION: Summary in bold**
Information about procedures that could cause programming errors, runtime errors, or equipment damage.

**WARNING: Summary in bold**
Indicates information about procedures that could cause irreversible equipment damage, irreversible loss of programming data or personal injury.

### 1.1.2 Procedures




Example Text: Main Menu select **File >Print >Events**.

The graphic above is represented in the Example Text. All selections, fields, buttons, and screen titles are spelled (upper/lower case) exactly as they appear on the display.

### 1.1.3 Referencing Other Documents

*Italic* text is used to reference a document by its specific name.

Example: Refer to the *ONYXWorks Workstation* manual.

## 1.2 Related Documentation

The following is a list of documentation resources related to the ONYXWorks system:

- *ONYXWorks Receivers Gateway (PN 52308)*
- *ONYXWorks NetLogic (PN 52326)*
- *ONYXWorks Routers-Repeaters (PN 52327)*
- *ONYXWorks NFN Embedded Gateway-3 (PN LS10017-051NF-E)*
- *ONYXWorks Workstation Manual (PN LS10050-051NF-E)*
- *ONYXWorks PC NFN Gateway (PN LS10077-051NF-E)*
- *ONYXWorks High-speed PC NFN Gateway (PN LS10078-051NF-E)*
- *ONYXWorks Upgrade Wizard (PN 53228)*



**NOTE:** The contents of this manual are important and must be kept in close proximity of the workstation. If building ownership is changed, this manual including all other testing and maintenance information must also be passed to the current owner of the facility. A copy of this manual was shipped with the equipment and is also available from the manufacturer.

# Section 2 Configuration Tool Usage Preparation

## 2.1 Configuration Tool Overview

The ONYXWorks® Configuration Tool is used to customize the workstation's graphical user interface (GUI) to display your building's facilities monitoring system. An authorized event responder will use your customized GUI to identify the location of, and respond to, an event that workstation annunciates.

After modifying a workstation GUI design with the Configuration Tool, verify it is correctly displayed on the workstation.



**NOTE:** When using the Configuration Tool on a separate PC from the active workstation, use the same CD to install the software suite.

## 2.2 Section Overview

These are the Configuration Tool tasks that are done before you can modify the system's database.


- "Configuration Tool Operation Descriptions" on page 10.
- "System Database Background Creation" on page 11.




**NOTE:** All procedures are written with the assumption that your PC mouse clicking operations use default settings for left and right mouse clicks.

# 2.3 Configuration Tool Operation Descriptions

Review this information because the procedure throughout this manual will be written assuming you understand the concepts about operating this software application that is provided here.

## 2.3.1 Starting the Configuration Tool

The installation program has added an entry for the Configuration Tool (**Windows >Start >Programs >Facilities Monitoring >Configuration Tool**).

## 2.3.2 Importing a Database to Edit

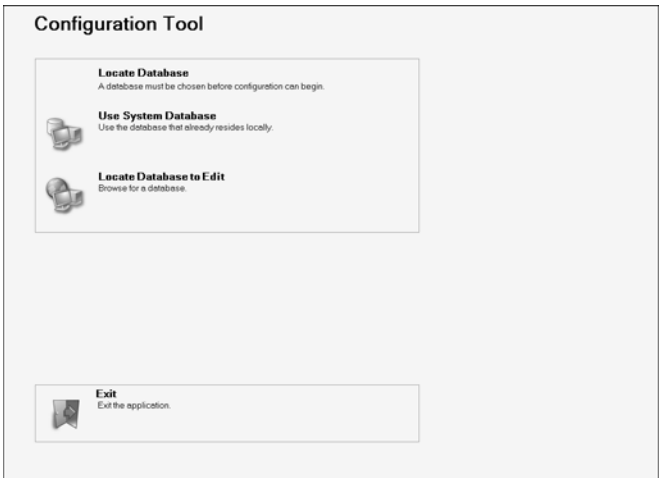



**Figure 2.1 Configuration Tool Initial Launch Screen**

### Use System Data Icon Selection

Only use this function to open and edit the database that already resides on the Configuration PC. Refer to "Database Modification Procedures" on page 14 for more information.

### Locate Database to Edit Icon Selection

Only use this function to open a database that resides some place other than the one that currently resides on the Configuration PC. Refer to "Database Modification Procedures" on page 14 for more information.

## 2.3.3 Exiting the Configuration Tool

Exiting is linked with saving in the Configuration Tool when it is running on a workstation that is monitoring the ONYXWorks system. The tool always requires you to exit the application and then respond to the Save changes prompt with a:

- Click on the **Yes** button to update the database the workstation will use.
- Click on the **No** button to NOT update the database the workstation will use and discard the changes.

# 2.4 System Database Background Creation

It is highly recommended that you create graphic background drawings (i.e. floor plans displayed as a background for a system screen) before you start creating the system design with the Configuration Tool. Refer to "Screen Title and Background Procedure" on page 18.

You will need a graphic editing program for creating and or resizing the graphics backgrounds. Use the Configuration Tool to add the raster or vector files that you created or modified using your graphic software application. The better the resolution of the background in the Configuration Tool, the better the resolution on the workstation.

The supported graphic formats that can be added as a background are these vector and raster file formats.

### Vector Files

Windows® Enhanced Metafile Format (.EMF) and Windows® Meta Files (.WMF) file types can be imported into the Configuration Tool. Those file types typically degrade less in visual display quality than a raster file. EMF files can only be used as backgrounds.

### Raster Files

Bit Map (.BMP), Graphic Image Format (.GIF), and Joint Photographic Experts (.JPG) files types can be imported into the Configuration Tool. However, those files types degrade more in visual display quality than a raster file, especially when using the workstation's zoom functionality.



**NOTE:** The graphic file that will be imported cannot have a read only attribute.

# Section 3 System Configuration

## 3.1 Overview

These steps are a suggested method to organize your facilities monitoring system database into a design that will be displayed on a workstation using the Configuration Tool. Some steps can be performed before others, so their order is not always implicit to completing your new system design.

**NOTE:** Please familiarize yourself with "Configuration Tool Usage Preparation" on page 9 before you start these procedures.

A gateway's node and the node's points can be manually added and defined with the Configuration Tool; however, it is highly recommended that the auto-creating method be used instead.

### 3.1.1 Database Creation

**NOTE:** The workstation must be logged into before any of its settings can be configured. A user that has the Security Option to configure settings needs to login to change an existing setting. The factory defined user "Admin" has such a Security Option. Information in this document is written assuming that a user with the equivalent Security Option of the "Admin" user will be performing the procedures in this document.

A workstation should be added to the system by the Admin User. For the purposes of this manual, it is assumed that the database modified in the Configuration Tool was originally created using the procedures in the *ONYXWorks Workstation Manual* (LS10050-000NF-E).

#### Adding an Existing Gateway

When the workstation is first started, an Admin User can connect gateways that are physically connected or available through your ONYXWorks system using Network Configuration operation selected in the Configuration Tool.

#### Adding a New Network Connection

The Admin User creates a Network name and then adds a gateway. Network Names and gateway connections are created using the Configuration Tool.

#### Auto-Creating Nodes and Points on the Gateway

A gateway's nodes and the node's points can be manually added and defined with the Configuration Tool. However, it is highly recommended that the auto-creating method be used instead. The auto-creating method captures the node's exact point ID. It is highly recommended that the database be modified offline and although online modification is possible, the database should not be modified while the workstation is monitoring the ONYXWorks system.

There are differences between auto-creating points on a new system versus autocreating new points on an existing system.

**New System Point Auto-Creation -** Start by configuring gateways. Exit the Configuration Tool and save the database. At this time, send events for all points on the associated gateway(s) and the workstation will automatically create points and populate screens with icons. Once all events for all points have been sent complete, the database can be modified (refer to "Database Modification Procedures" on page 14).

**Existing System Point Auto-Creation -** If only a few new points need to be added to an existing system, start the monitoring workstations of the Configuration Tool and use the Tools>Auto-Create Points option. Navigate to the screen where you want the few new points to be added and then create events on those points. The Configuration Tool will auto-create them and place them in the upper left corner of the graphic display (multiples will be stacked in the upper left corner), after which they can be positioned on the background. When complete, turn off auto-create points.

For information on adding points manually, refer to "Point Icon Addition Procedure" on page 26.

# 3.2 Database Modification Procedures

Use this procedure as a guideline for creating and modifying a database. It is recommended that the Configuration Tool is installed on a PC that is not monitoring a life safety system.

## Step I. Database Backup Creation Procedure

On the monitoring workstation, use one of the following procedures to create a copy of the database.

### ■ Create a Copy of Database on the Workstation with PC Monitor

In this procedure you will create a backup copy of the database and then copy it to an external storage device.

Step 1. Right click on the monitoring workstation's PC Monitor and then select **Backup System Data...** The Browse For Folder window displays.

Step 2. Browse to a monitoring workstation folder location and make a new folder (Create New Folder button) in which to copy the backup files.



**NOTE:** It is highly recommended you create a folder because the Backup System Data operation will create several folders and files, so grouping them in that one folder is desirable.

Step 3. Use Windows Explorer to copy the monitoring folders and files you created in Step 2 to an external storage device (USB flash-drive or CD-ROM).

Step 4. If necessary copy the folder and files to a read and write external storage device location.

Step 5. Start the Configuration Tool. A Configuration Tool window displays.

Step 6. Select the **Locate Database to Edit** icon. The Synchronize Data window displays.

Step 7. Click on the **Browse** button to locate and then open the *.mdb database file in its location.

Step 8. Click on the **OK** button. An import window will temporarily display and then the Configuration Tool main window displays.

Step 9. Perform the "Step II. Database Modification Procedure" on page 15.

### ■ Create Database On the Configuration PC with the Configuration Tool

In this procedure you will connect the Configuration PC to the same IP network as a workstation and then import its database.

Step 1. Connect the Configuration PC to the monitoring workstation's IP network.

Step 2. Make the necessary IP settings to the Configuration PC.

Step 3. Start the Configuration Tool. A Configuration Tool window displays.

Step 4. Select the **Locate Database to Edit** icon. The Synchronize Data window displays.

Step 5. Select a workstation IP address in the **Select System to Import** field.

Step 6. Click on the **OK** button. An import window temporarily displays and then the Configuration Tool main window displays.

Step 7. Perform the "Step II. Database Modification Procedure" on page 15.

## Step II. Database Modification Procedure

In this procedure you will edit and then save the database.

Step 1. On the Configuration Tool main window, click on the **Screen Objects** icon. The Screen Object window displays.

Step 2. Edit the database (refer to the “Database Object Editing” on page 16 for information).

Step 3. Exit the Configuration Tool and then respond to the Save Changes prompt with a **Yes** button click to update the database.

Step 4. Perform the "Step III. Importing the Modified Database Procedure".

## Step III. Importing the Modified Database Procedure

Use the applicable procedure to import your modified database back into the ONYXWorks system.

### ■ Database Import from an External Device

Step 1. On the Configuration PC right click on its **PC Monitor** and select **Backup System Data**... The Browse For Folder window displays.

Step 2. Browse to a Configuration PC folder location and make a new folder (Create New Folder button) in which to copy the backup files.

Step 3. Use Windows Explorer to copy the folder on the Configuration PC to an external storage device.

Step 4. Exit all the ONYXWorks system software applications that are running on the monitoring workstation except PC Monitor.

Step 5. Right click on the monitoring workstation’s **PC Monitor** icon and select **Login**.

Step 6. Select a User and type in their password (Admin = admin).

Step 7. Right click on the monitoring workstation’s **PC Monitor** icon and then select **Restore System Data...** from the list of choices. The Browse for Folder window displays.

Step 8. Use the Browse for Folder window’s browse capability to locate the folder on the external storage device that contains the backup files and select it.

Step 9. Click on the **OK** button. The edited files are installed on the monitoring workstation.

Step 10. Restart the monitoring workstation and all of its related ONYXWorks system software applications.

Step 11. Verify your modified database displays correctly.

Step 12. You have completed "Database Modification Procedures".

### ■ Database Import from a Configuration PC

Step 1. Connect the Configuration PC to the monitoring workstation’s IP network.

Step 2. Start the Configuration PC’s version of the PC Monitor.

Step 3. Export/Import the Database.

- Right click on the **PC Monitor** icon and then select **Export System Data to all Workstations** from the list of choices.
- Use the monitoring workstation’s version of PC Monitor to Import System Data operation (select the Configuration PC’s IP address).

Step 4. Go to a monitoring workstation and verify your modified database displays correctly.

Step 5. You have completed "Database Modification Procedures".

# 3.3 Database Object Editing

## 3.3.1 Section Overview

Here is a list of the information in this section.


- "About the Edit Object Window" on page 17.
- "Screen Title and Background Procedure" on page 18.
- "Navigation Icon Addition Procedure" on page 20.
- "Macro Command Configuration" on page 21.
- "Macro Command Configuration" on page 21
- "Information Label Addition Procedure" on page 24.
- "Screen Additions and Point Icon Management Procedure" on page 25.
- "Point Icon Addition Procedure" on page 26.




**NOTE:** After completing any procedure in this section you can select Main **Menu >Exit** and you will be returned to the Configuration Tool main window.

## 3.3.2 About the Edit Object Window

The procedures in this section refer to the Configuration Tool's Edit Object window areas as indicated in the figure.

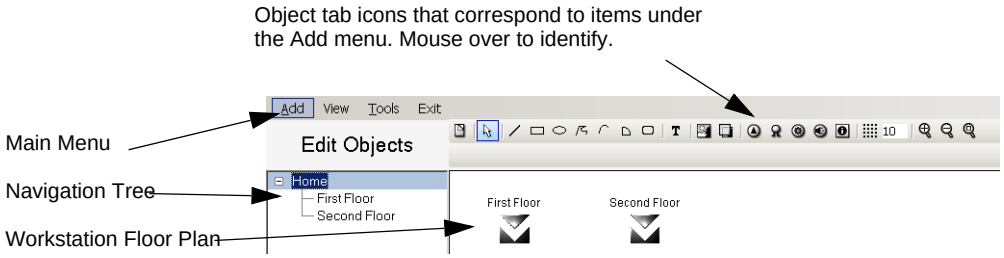



**Figure 3.1 Edit Objects Window**

### Tools Menu

#### ■ Autocreate Points

Refer to "Database Creation" on page 13 for information on autocreating points.

#### ■ Macro Editor

Refer to "Macro Command Configuration" on page 21 for information.

#### ■ Audio Group Manager

Refer to the *Notify-IP Manual* (P/N 53620) for information on configuration.

### View Menu

The selections under this menu determine which description will be displayed by each point icon in the workstation floor plan area.

- Show Alias - display names entered into Title and Caption fields
- Show Address - display ID of each point
- Show None - display no descriptions.

### Graphics Additions to a Screen

The Configuration Tool includes a number of tools for creating vector-based graphics that will only reside on the screen to which they are added. The graphics tool bar is context-aware, meaning that the bottom row of toolbar options changes to suit the tool selected on the top line. The tools can be identified by a mouse-over.

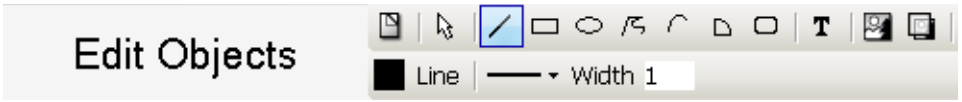



**Figure 3.2 Edit Objects Toolbar**

## 3.3.3 Screen Title and Background Procedure




**Figure 3.3 Edit Objects Window**

Step 1. On the Configuration Tool main window, click on the Screen Objects icon. The Edit Object window displays.

Step 2. Navigate to the desired screen.

Step 3. Right click on the screen name and then select Properties from the list of choices. The Screen Properties window displays.

Step 4. Type in a name for the screen in the Title field.

Step 5. Select a Background for the screen.

a. Click on the Select button in the Background area of the window. An Open window displays.

b. Use the Open window to browse to and then double click on the file to use as floor plan background for the screen. The background displays in the Background Preview area.

Step 6. Click on the OK button. The Title displays in the Navigation Tree and the background displays in the workstation floor plan area.

To delete an existing background select the screen, right click on it for its properties, and then click on the Background Clear button.

Step 7. Repeat the steps in this procedure until the backgrounds for the desired screens have been named and added. At this time it is recommended to position icons and arrange the screens. Refer to "Point Icon Locations and Screen Arrangement" on page 19.

Step 8. To add navigational icons, perform the "Navigation Icon Addition Procedure" on page 20.

## Point Icon Locations and Screen Arrangement

After you have named and selected backgrounds for the screens created during the auto-creation process, you should position all the point icons in their correct positions with respect to the new background. Click and drag all icons to position them.

Screens can be rearranged at any time, making one screen a child of another screen, or promoting a child screen to a parent screen. A screen with a child screen is considered to be a parent screen; a parent screen can have many child screens.

To organize the screens:

Step 1. In the Navigation Tree, click on and drag the screen.

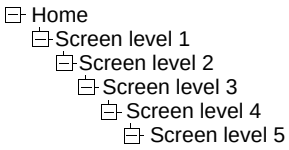
Step 2. Release the mouse button when a line displays above the screen that the screen will be located below. The Navigation Tree updates and the screen is displayed as a child of the parent screen.

Step 3. Repeat until the desired hierarchy is created.



**NOTE:** If you relocate a screen into an incorrect position in the Navigation Tree you must move it again (no undo command is available).

**Parent >Child Hierarchy Limitation -** There are six levels that can be used:



## 3.3.4 Navigation Icon Addition Procedure

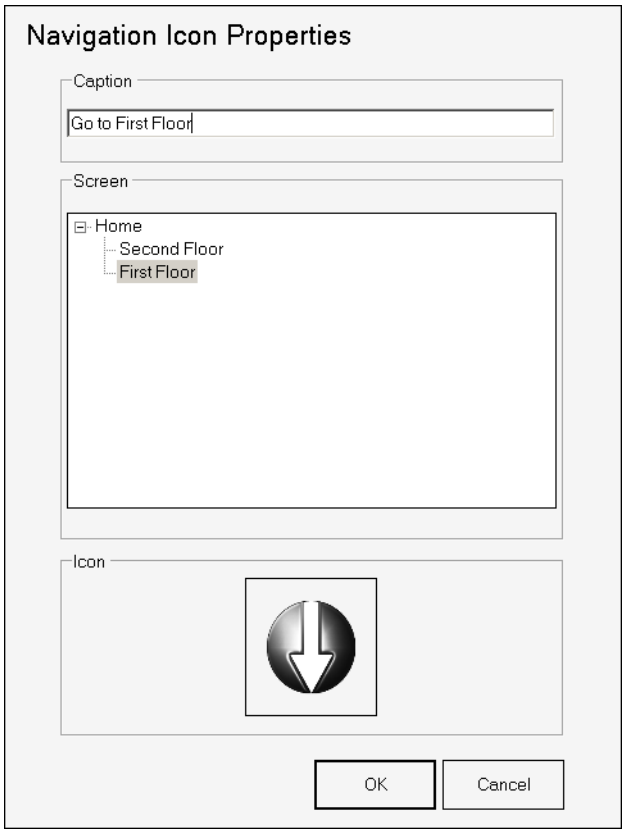



**Figure 3.4 Navigation Icon Window**

Step 1. In the Navigation Tree, select the screen on which the navigation icon will be added.

Step 2. **Select >Add >Navigation Icon**.

Step 3. Type in a caption for the navigation icon in the Caption field.

Step 4. From the list of screens, select the screen to which the navigation icon will navigate.

Step 5. Select a graphic to represent the navigation icon.

a. Click on the Select button in the Icon area of the window. An Open window displays.

b. Use the Open window to browse to and then double click on the file to represent the navigation icon. The icon displays in the icon preview area.

Step 6. Click on the OK button. The typed caption and the icon display in the workstation floor plan area.

Step 7. Repeat the steps in the procedure until you have added all of your desired icons.

Step 8. To add Macro buttons, perform the "Macro Command Configuration" on page 21.

## 3.3.5 Macro Command Configuration



**NOTE:** Creating these settings is optional and they do not need to be made for the workstation to function properly.

### Macro Commands

Macro commands have an interdependent relationship that is established by the Admin User. Macro Commands are created using the Configuration Tool which is launched from the workstation's main menu; **Configure >Launch Configuration Tool**. Any selections made here are saved when you exit the Configuration Tool and then respond to the Save Changes prompt with the applicable button click.

Macro are created and edited on the Screen Objects window (Screen Objects icon). You access the Macro Editor function in Tools menu; **Tools >Macro Editor**. A Macro command is created and defined, then it is activated in one of two ways:

- Click on the macro button in the floor plan area.
- Choose the macro from the macro menu in the workstation.

The Admin User creates a Macro command by naming it and assigning it a Macro command. That Macro command's Menu list of choices will be contingent on the gateway type, point, and node type that is selected.

## Macro Creation and Management

The Macro List and Macro Options areas have icons (with mouse over hints) that are used to create and or manage macros. Mouse over them to display the hint about which operation each performs.

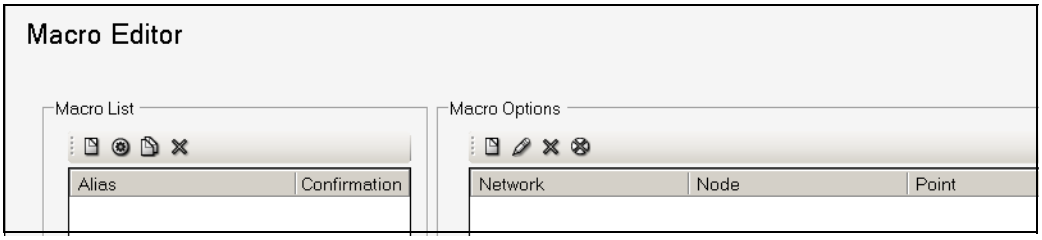



**Figure 3.5 Macro Editor Window**

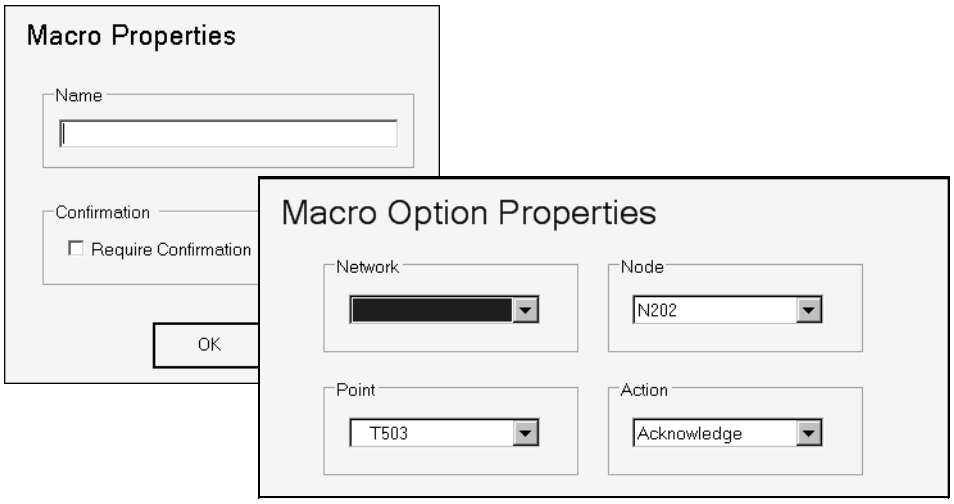



**Figure 3.6 Macro Properties Windows**

### ■ Macro Creation Procedure

Step 1. Click on the Add Macro icon (mouse over). The Macro Properties window displays.

Step 2. Type in a name in the Name field.

Step 3. Check the Confirmation field if applicable.

**NOTE:** This selection means a prompt will be displayed providing you the opportunity to cancel activating the macro.

Step 4. Click on the **OK** button.

Step 5. Click on the Add Option icon (mouse over) to add a new option. The Macro Option Properties window displays.

Step 6. Set up the Macro's options:

a. Select a network.

b. Select a node.

c. Select a point.

d. Select an action.

e. Click the **OK** button.

Step 7. Click on the **Close** button.

Step 8. To add a button which activates the macro, refer to "Macro Button Addition Procedure" on page 23.

## 3.3.6 Macro Button Addition Procedure

**NOTE:** You should have created the macro command to execute before adding a Macro Button icon. Refer to the "Macro Command Configuration" on page 21 about creating choices that will be displayed in the Macro to Execute field.

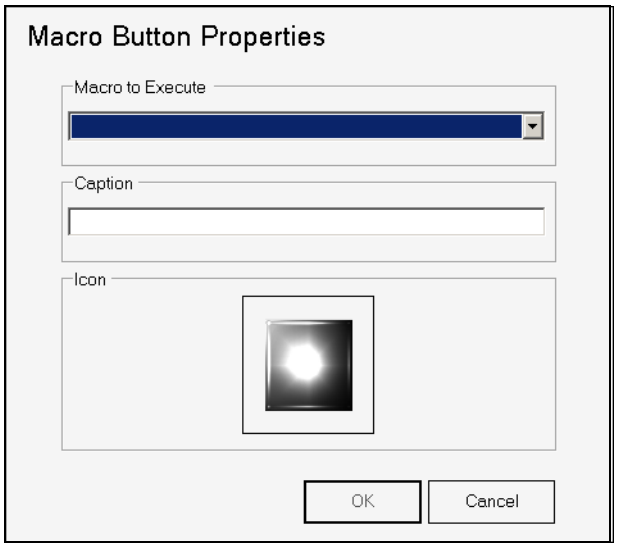



**Figure 3.7 Macro Button Window**

Step 1. Create the macro command to execute so it will display in the Macro to Execute field (refer to "Macro Command Configuration" on page 21 for information).

Step 2. In the Navigation Tree, select the screen to add the Macro Button on.

Step 3. From the Edit Objects window's main menu, select **Objects >Add >Macro Button**. The navigation icon window displays.

Step 4. Type in a caption for the Macro Button in the Caption field.

Step 5. Select a graphic to represent the Macro Button.

a. Click on the current button image. An Open window displays.

b. Use the Open window to browse to and then double click on the file to represent the Macro Button. The icon displays in the icon preview area.

Step 6. Click on the Macro to Execute field down arrow and select a previously defined macro from the list of choices (refer to "Macro Command Configuration" on page 21 for information).

Step 7. Click on the **OK** button. The typed caption and the icon display in the workstation floor plan area.

Step 8. Repeat the steps in the procedure until you have added all of your desired icons.

Step 9. To add information labels, perform the "Information Label Addition Procedure" on page 24.

## 3.3.7 Information Label Addition Procedure




**Figure 3.8 Information Label Properties Window**

Step 1. In the Navigation Tree, select the screen to add the Information Label on.

Step 2. From the Edit Objects window's main menu, select **Objects >Add >Information Label**. The Information Label Properties window displays.

Step 3. Type in a caption for the Information Label in the Caption field.

Step 4. Select a graphic to represent the Information Label.

a. Click on the current image of the Information Label. An Open window displays.

b. Use the Open window to browse to and then double click on the file to represent the Information Label. The icon displays in the icon preview area.

Step 5. Select a Linked Media for the Information label (refer to "Supported Linked Media Formats"). Use the Open window to browse to and then double click on the media type that is supported for the field. The name of the file displays in the Linked Media field.

Step 6. Click on the **OK** button. The typed caption and the selected icon display in the workstation floor plan area.

Step 7. Repeat the steps in the procedure until all desired icons have been added.

Step 8. To add macro buttons, perform the "Macro Command Configuration" on page 21.

### Supported Linked Media Formats

When any of these file types are linked to a point, they can be displayed or activated by selecting them from a point's right click options menu. Points with linked files are identified with an asterisk next to the point's icon. These are the types of files that can be used and they correspond to the field on the window.

- Text - *.txt or *.rtf file.
- Image - *.bmp, *.jpg, *.gif, or *.wmf file.
- Audio - *.wav file.
- Video - *.avi file.

## 3.3.8 Screen Additions and Point Icon Management Procedure

It may be necessary to add a screen. For example, the auto-creation process randomly added point icons to screens and since only 64 point icons can be added to one screen, the auto-creation process might have exceeded 64 points and another screen was created. Therefore, the screen hierarchy may not be correct and/or the desired point groupings on those screens.

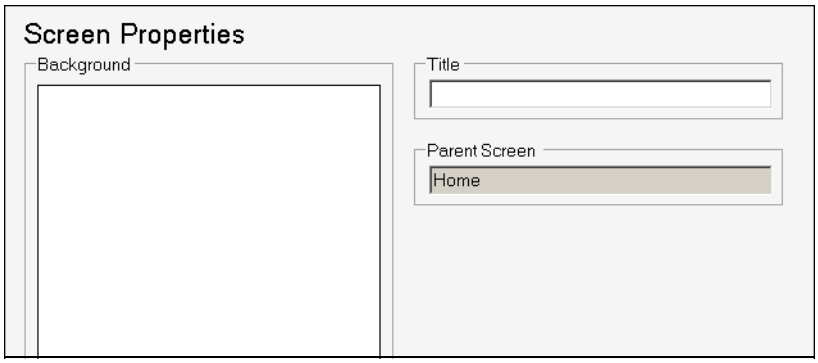



**Figure 3.9 Screen Properties Window**

Step 1. In the Navigation Tree, navigate to the screen below which the new screen will be added.

Step 2. From the Edit Objects window's main menu, select **Add >Screen**. The Screen Properties window displays.

Step 3. Type in a name for the screen in the Title field.

Step 4. Select a Background for the screen.

a. Click on the **Select** button in the Background area of the window. An Open window displays.

b. Use the Open window to browse to and then double click on the file to use as floor plan background for the screen. The background displays in the Background Preview area.

Step 5. Click on the **OK** button. The Title displays in the Navigation Tree and the background displays in the workstation floor plan area.

Step 6. Select the screen that has the point icons that will be copied to it.

Step 7. Click on the point icon or press and hold the Ctrl key and select multiple icons.

Step 8. Right click on a point icon and select **Cut** from the list of choices.

Step 9. Navigate to the screen on which the icons are to be placed. Right click the floor plan and select **Paste**. The point icons display in the workstation floor plan area.

Step 10. Position the point icons over the floor plan background.

Step 11. Repeat the steps until the point icons are in the correct screen locations.

## 3.3.9 Point Icon Addition Procedure

Follow the steps below to manually add a point icon.

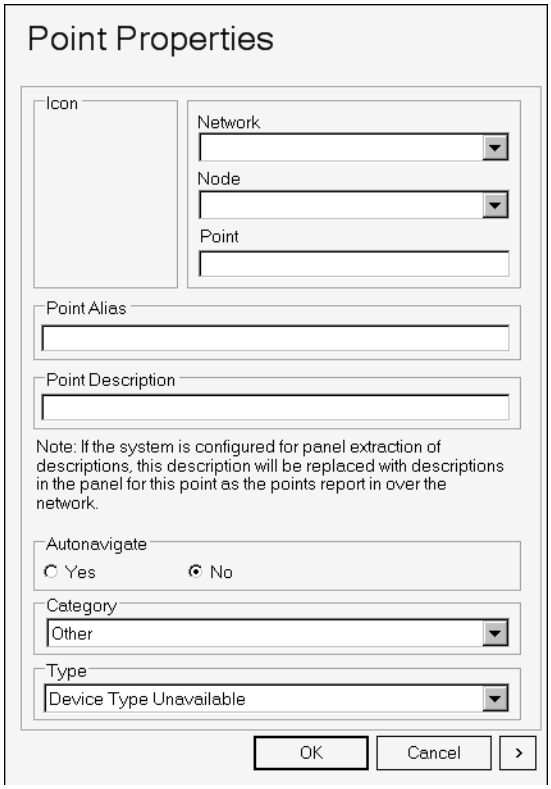



**Figure 3.10 Point Properties Window**

Step 1. In the Navigation Tree, select the screen you want to add the new point icon on.

Step 2. From the Edit Objects window's main menu, select **Objects >Add >Point**. The Screen Properties window displays.

Step 3. Type in a name for the icon in the Point Alias field.

Step 4. Type in a description for the icon in the Point Description field.

Step 5. Click on the Network field down arrow and select a previously defined network from the list of choices. The Node field displays information.

Step 6. Click on the Node field down arrow and select a previously defined node from the list of choices.

Step 7. Type in the exact point ID from the panel into the Point field.

Step 8. Select whether to Autonavigate on the point if an off normal event occurs for it.

Step 9. Click on the Category field down arrow and select a previously defined Category from the list of choices.

Step 10. Click on the Type field down arrow and select a previously defined Type from the list of choices.

Step 11. If necessary, double click the icon and choose an alternate image to represent the point.

Step 12. Repeat the steps until all desired point icons are added.

## Point Icons and Linked Media Selection

A point's icon, the image that represents it when it is displayed on the workstation, can be changed using the Configuration Tool. Each point can also be linked to a media file (text, image, audio, or video) to be played when the workstation auto-navigates to that point. For more information about auto-navigation, refer to the *ONYXWorks Workstation Manual* (LS10050-000NF-E). The flexibility in the Configuration Tool allows a different icon to be displayed for each status class of the point (i.e. normal, alarm, pre-alarm, security, supervisory, trouble, disable, or other). When a condition is reported, the icon selected for the corresponding status class will be displayed (different icon, defined status class color).

In addition, text, image, audio, and video linked media files can be associated with each status class of a point. To display linked media in Point Properties, click on the arrow adjacent to the Cancel button. The window will expand. One linked media file for each status class may be set to AutoActivate when the given status class becomes active on the point. Use the Up/Down arrows to scroll through the status classes and modify the usage of the AutoActivate selection. To set a point's linked media to the same setting for all status classes, use the Browse button for the applicable field and select a file, and then click on the Apply To All button.

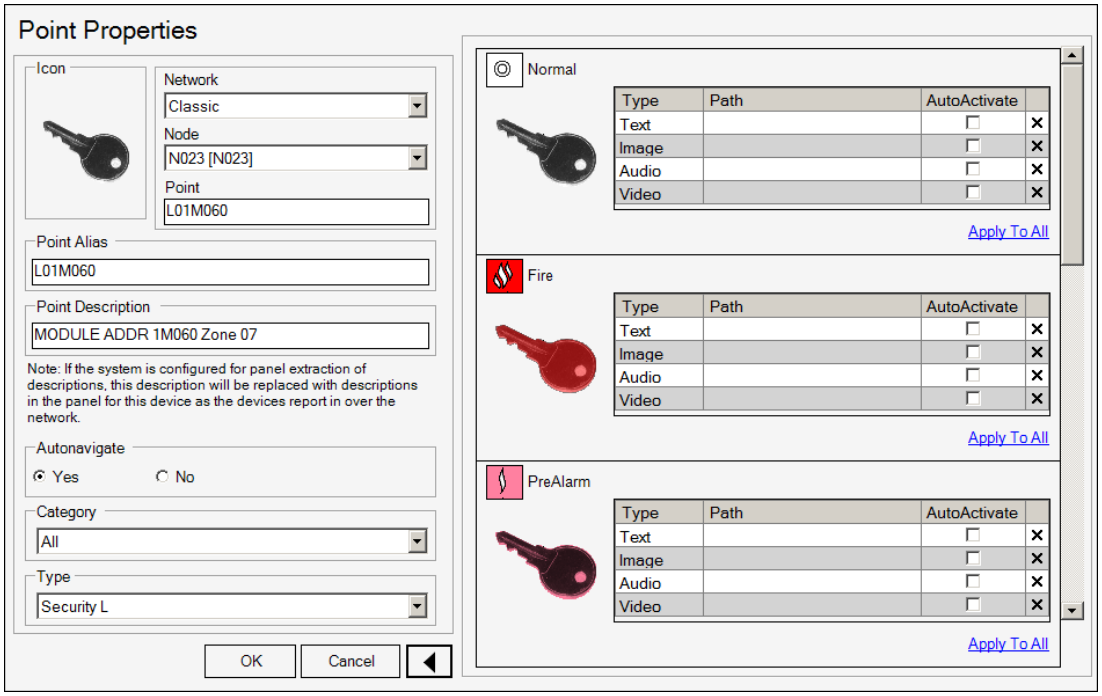



**Figure 3.11 Point Properties Icon and Media File Assignment**

### ■ Point Icon Selection

C:\FacilitiesMonitoring\Data\Configuration Tool\System\Devices folder contains images files (used for devices such as detectors) and is the folder that displays when you double click the icon to change it.

### ■ Point Linked Media Selection

**Text Selection** C:\FacilitiesMonitoring\Data\Configuration Tool\System\Documents folder contains example text files and is the folder that displays when you double click the icon to change it.

**Image Selection** C:\FacilitiesMonitoring\Data\Configuration Tool\System\Images folder contains images files (not used for devices such as detectors) and is the folder that displays when you double click the icon the change it.

**Audio Selection** C:\FacilitiesMonitoring\Data\Configuration Tool\System\Sounds folder contains sound files and is the folder that displays when you double click the icon the change it.

**Video Selection** C:\FacilitiesMonitoring\Data\Configuration Tool\System\Videos folder contains an example video file and is the folder that displays when you double click the icon the change it.

# Section 4 Configuration Tool Functions

## 4.1 Network Configuration

The following figures show sample networks.

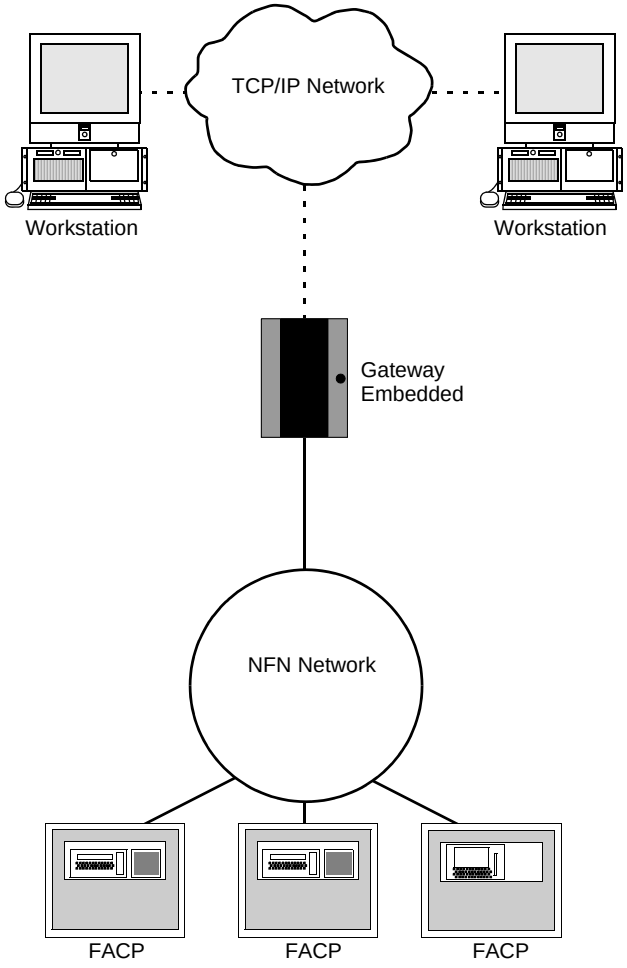



**Figure 4.1 Basic NFN Network**

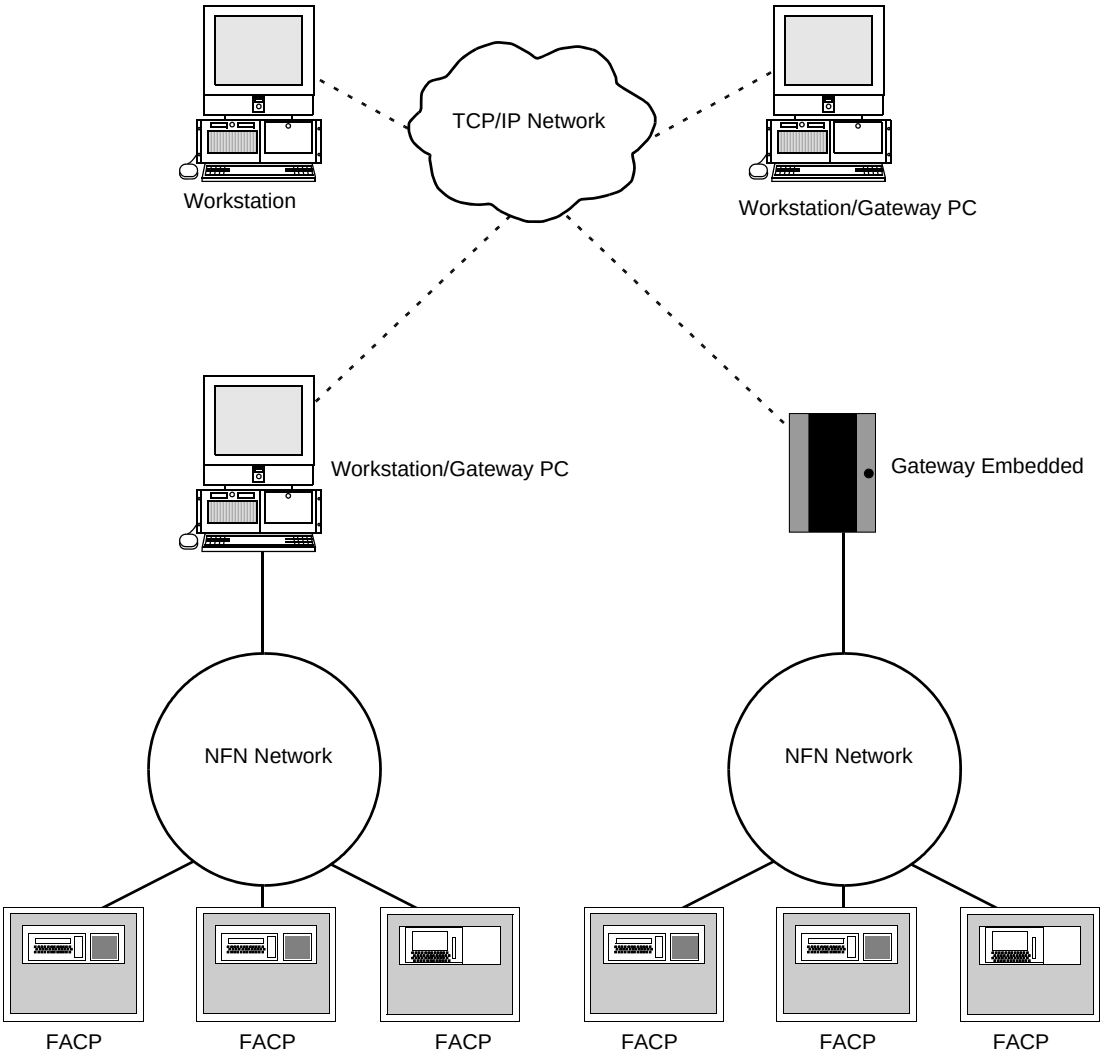



**Figure 4.2 Advanced NFN Network**

## 4.1.1 Importing Configuration From an Existing Workstation

At any point it is possible to overwrite the current workstation configuration with the configuration of another connected workstation. It is often desirable to perform this operation when adding a new workstation to an existing ONYXWorks system. Refer to the *ONYXWorks Workstation Manual* (LS10050-000NF-E) for information on copying existing workstation configuration data to another workstation.

## 4.1.2 Adding a New Network Connection

The Admin User creates a network name and then adds a gateway.

### New Network Connection Procedure

Step 1. Click Network Configuration. The Network Configuration window opens.

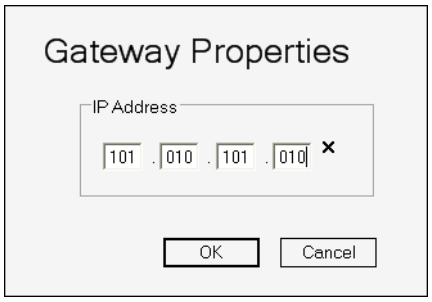
Step 2. Click **Add Network**. The Network Properties window opens.

Step 3. Type the network's name into the Alias field.

Step 4. Select the Type down arrow and select the type of network from the list of choices.

Step 5. Click (Add Gateway). The Gateway Properties window opens.

Step 6. Enter the Gateway IP Address, and then click **OK** to return to the Network Properties window.




Step 7. Click **OK** to return to the Network Configuration window. If the Configuration Tool is able to communicate with the network, the nodes will be added automatically. Otherwise, perform the following steps.

Step 8. Add nodes to the network.

a. Right click the new network alias and then select **Add Node** from the list of choices. The Node Properties window opens.

b. Type the node name into the Alias field.

c. Type the node address into the Address field.

d. Select the node type from the drop down list.

e. Click **OK** to return to the Network Configuration window.

Step 9. Repeat steps 6 through 8 to add a redundant gateway to the network.

## 4.1.3 Adding a Redundant Gateway

A redundant gateway is a second gateway which communicates to an NFN network as shown in the figure below. If the main gateway cannot be reached, the system attempts to communicate with the network through the redundant gateway.

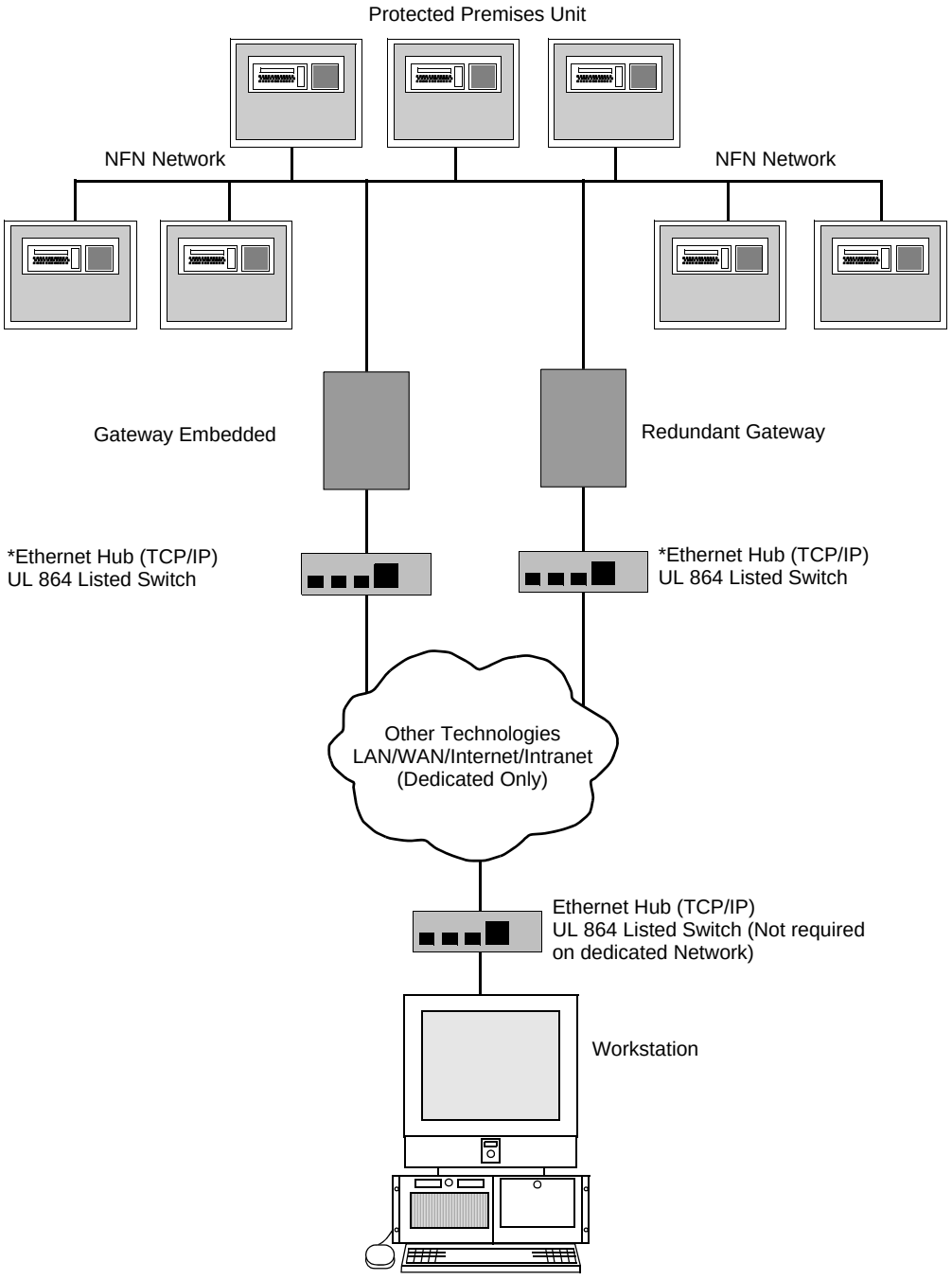



**Figure 4.3 Network with Redundant Gateway**

Step 1. Click Network Configuration. The Network Configuration window opens.

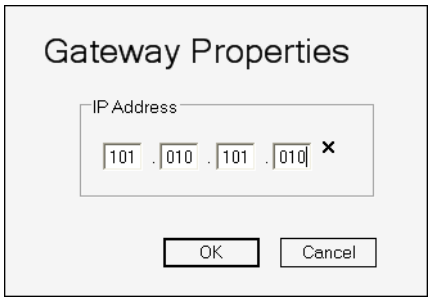
Step 2. Click **Add Network**. The Network Properties window opens.

Step 3. Type the network's name into the Alias field.

Step 4. Select the Type down arrow and select the type of network from the list of choices.

Step 5. Click (Add Gateway). The Gateway Properties window opens.

Step 6. Enter the Gateway IP Address, and then click **OK** to return to the Network Properties window.




Step 7. Click **OK** to return to the Network Configuration window. If the Configuration Tool is able to communicate with the Network, the nodes will be added automatically. Otherwise, perform the following steps.

Step 8. Add nodes to the network.

a. Right click the new network alias and then select **Add Node** from the list of choices. The Node Properties window opens.

b. Type the node name into the Alias field.

c. Type the node address into the Address field.

d. Select the node type from the drop down list.

e. Click **OK** to return to the Network Configuration window.

Step 9. Repeat steps 6 through 8 to add a redundant gateway.

## 4.1.4 Network Right Click Menu Options

In the Navigation Tree you can right click on a Network name and select these commands from the list of choices.

### ■ Add Node

Use this command to add a node to your network. You will need to select the Node Type from a list of choices and type in the IP address of that node.

### ■ Import Panel Database

Use this command to import a Verifire database. A Verifire database can be located and then selected, any nodes and points in that are in the database will be auto-created on the Network.

### ■ Rename

Use an operation to type in a new name for the Network which is the equivalent of replacing the Network Alias on the Properties window.

### ■ Delete

Use this command to delete the Network, a confirmation prompt will display allowing you to cancel the command.

### ■ Properties

Use to add a redundant gateway to the Network (for more information, refer to "Adding a Redundant Gateway" on page 32). You can also change the network alias name.

### ■ Launch Configuration

This option is available when a gateway is right clicked. When clicked, the configuration window will be launched if possible.

### ■ Migrate Node

The option is available when a node is right clicked. It can be used to either move NFN nodes to another network.

# 4.2 System Options Configuration



**NOTE:** All workstations have a System Options selection preset according to the type of workstation ordered.

## 4.2.1 Icon Set

### Icon Set Selection

Step 1. Check the **Update Icons** checkbox to activate the Icon Set field.

Step 2. Click on the **Icon Set** field's down arrow to display a list of icon choices.

Step 3. Click on the **OK** button.

Step 4. You must exit the Configuration Tool and then respond to the Save Changes prompt with the applicable button click to update the workstation with the information created in this procedure.

### Custom Icon Creation and Selection

If you create and then load a custom icon set and it is missing required icons (i.e. smoke detector) then the points that require that type of icon will not be displayed. To avoid this undesirable behavior do the following.

Step 1. Create your custom icons with your graphic software application (256 x 256 PNG file formats highly recommended).

Step 2. Auto-create your points on the workstation (refer to the heading, "Auto-Create Gateway Point IDs" in the workstation manual).

Step 3. Copy and paste your custom icons into the appropriate C:\FacilitiesMonitoring\Data\System folder on the workstation:

**Devices** - for auto-created points

**Buttons** - for Macro Buttons, Navigation Icons, Audio Buttons

**Labels** - for information labels

Step 4. Launch the Configuration Tool and then edit the database (refer to the heading, "Workstation Database Modifications" in the workstation manual).

- Use the Configuration Tool's Point Properties to modify the point's icon. Refer to Configuration Tool manual for more information.
- Use the Configuration Tool's spreadsheet operation:
  - Find and select the existing icon that will be replaced by your custom icon.
  - Use the spreadsheet's Explorer function to locate and then select the custom icon from the folder in which it was pasted.
  - Replace one of the existing icon names with the custom icon name.
  - Copy the spreadsheet cell and copy and paste it into the cells containing the name of the existing icon.
  - Save the spread sheet and close the window.

Step 5. You must Exit the Configuration Tool and then respond to the Save Changes prompt with the applicable button click to update the workstation with the information created in this procedure.

## 4.2.2 Operating Modes

**NOTE:** The workstation and the NFN Gateway must be set to the same operating mode.

- **Proprietary Receiving Unit** (PRU) – In this mode the ONYXWorks system supports multiple gateways and workstations.
- **Canada - Proprietary Receiving Unit** – This mode meets ULC 559 requirements and otherwise runs exactly as the PRU mode.
- **Protected Premises Control Unit** (PPCU) – In this mode, the workstation is a peer of a panel it monitors; actions taken at the panel register on the workstation. PPCU mode requires exactly one workstation and the NFN Gateway running on the same PC as the workstation.
- **Canada - Protected Premises Control Unit** – This mode meets ULC 559 requirements and otherwise runs exactly as the PPCU mode.
- **Canada - Protected Premises Control Unit + DCC** (Display and Command Center) – Canada PPCU+ DCC mode meets ULC 559 requirements and also meets the Canadian requirements for control. Otherwise, Canada PPCU + DCC mode runs exactly as in the PPCU mode.

This operation is considered to be relevant to workstation operation so you should refer to the workstation manual.

**NOTE:** You can only select the PPCU, Canada - PPCU and Canada PPCU+DCC modes if you only have one NFN Gateway connected to the workstation. Those modes are not available with multiple NFN Gateways or if any other type of gateway is configured for your system.

## 4.2.3 Time Server Settings

**NOTE:** Assigning a time server is optional. The IP Address fields for Time Server Settings are empty by default. If these fields are not populated, the workstation will operate without making any attempt to synchronize its time with any server.

**NOTE:** If the workstation's Windows time zones or daylight saving settings are changed, all the ONYXWorks applications must be restarted.

This field is used to enter the IP address of the server that will be used to synchronize the ONYXWorks system time. If the IP address entered is that of a workstation, that workstation will function as the time server, otherwise the workstation will attempt to connect to the time server at the entered IP Address.

## 4.2.4 Audio Multicast IP

When sending an audio page from the workstation to multiple NFN Gateways, multicast IP addressing may be utilized. Enter the multicast IP address provided by the site network administrator.

## 4.2.5 Mass Notification Priority

Higher than Fire - Mass Notification Events have a higher priority than Fire.

Lower than Fire - Mass Notification Events have a lower priority than Fire.

None - No Mass Notification

# 4.3 Screen Objects

Refer to "Database Object Editing" on page 16 for information.

# 4.4 Color and Sound Configuration

**NOTE:** Making these settings is optional and they do not need to be made for the workstation to function properly.

Custom colors and custom sounds for different event types are created using the Configuration Tool.

## 4.4.1 Color Configuration Settings

**NOTE:** Colors different from the default values may not be compliant with UL/ULC standards.

The color configuration function allows the point icons, alarm summary icons, and alarm indicator in the navigation to display custom colors on all workstations in the system; not just the workstation where the color change was defined. Each event type may have a custom color assigned to it. The workstation will display that color on the point icon, alarm summary icon, and the alarm indicator on the left of the navigation tree.

### New Color for an Event Type Selection

Step 1. Double-click on the colored rectangle next to the event type. The Color window displays.

Step 2. Click one of the pre-defined basic colors or click the Define Custom Colors button to select a customized color.

Step 3. Click **OK** when all colors choices have been made.

Step 4. Click the Save button on the Color and Sound Configuration window to update the workstation with the new colors.

Step 5. You must Exit the Configuration Tool and then respond to the Save Changes prompt with the applicable button click to update the workstation with the information created in this procedure.

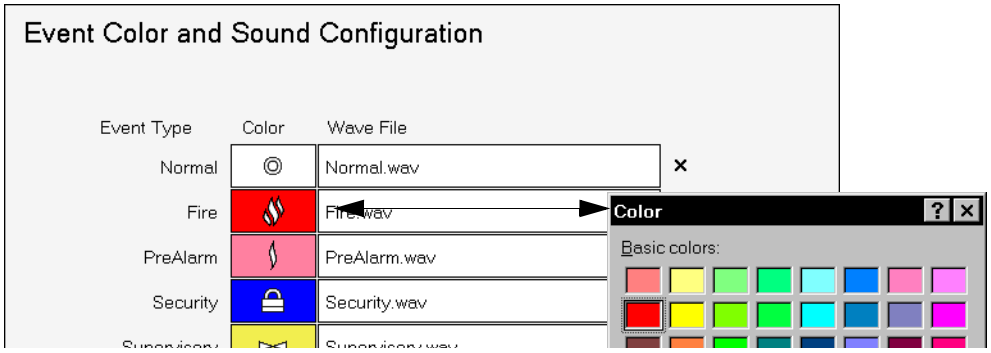



**Figure 4.4 Color Configuration**

### 4.4.2 Sound Configuration Settings

Each event type may be configured to play a different sound. For example a fire alarm sound may be configured so that it is distinctly different from the sound of a trouble event. The Color and Sound Configuration tab displays the currently configured sound in the Wave File window.

**NOTE:** Factory default sounds are assigned so that a different sound will play for each status. They may be changed if desired.

#### Sound Changes

Step 1. Click the inside the Wave File field. An Open window will display.

Step 2. Select the desired wave file and click the Open button. The name of the newly selected file will be displayed in the Wave File window.

Step 3. Click the Save button to update the workstation software with the new sounds.

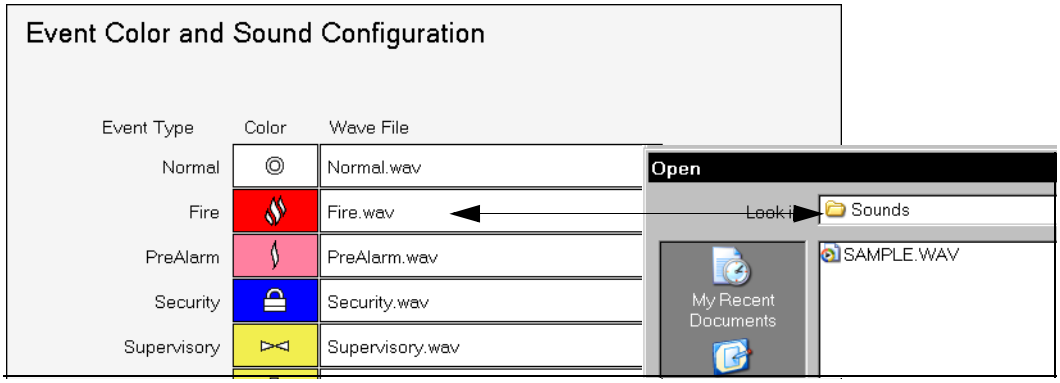



**Figure 4.5 Choosing a Sound File**

## 4.5 Launch Spreadsheet Editor

This enhanced graphical setup functionality is used to create an Excel like database format.

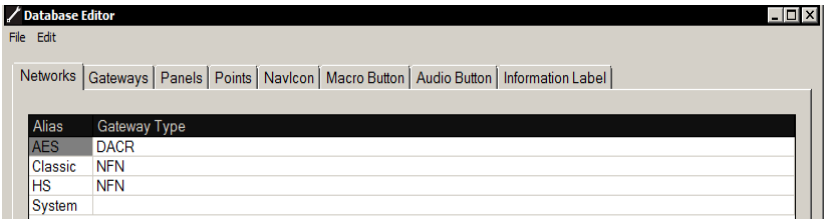



**Figure 4.6 Database Editor Window**

The Excel like database is to view and modify system database information. It has standard editing features, such as Copy, Paste, Select, Find, Cut, Delete, etc.

The Point tab's columns are revealed by using the bottom side scroll. Those columns support adding and modifying:

- Icon usage for the point.
- Links to Text, Wave File, Picture, and Video formats for the point.

# 4.6 Admin User Log In Configuration

## 4.6.1 Factory Defined User Profiles and their Passwords

The workstation must be logged into before any of its settings can be configured. A user that has the security option to change a password needs to login to change an existing user's password or to add a user and their password. The factory defined user "Admin" has such a security option.

The factory default workstation software application Admin user's password is "admin". The factory defined Admin user profile cannot be deleted.

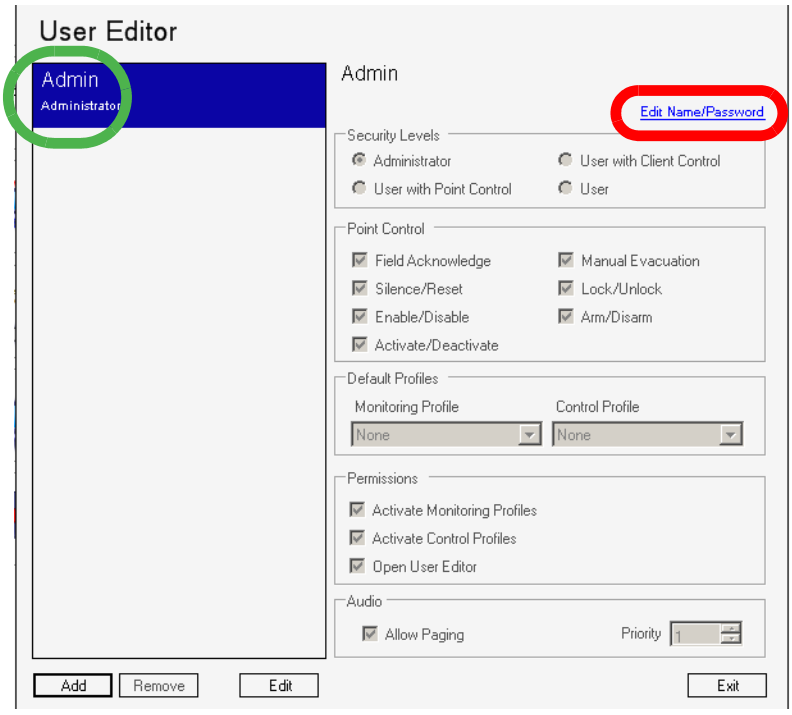
## 4.6.2 Admin User Password Change Procedure

It is highly recommended that the master user change the factory defined master account ("Admin") password to secure the workstation. The steps to change any user's password are the same. Please refer to the Configuration tool manual for details about adding and deleting other users.

Step 1. Launch the Configuration Tool. From the Windows taskbar, click **Start > Programs > Facilities Monitoring > Configuration Tool**. The Configuration Tool launches.

Step 2. Click the User Editor icon  . The User Editor opens.

Step 3. Click the master account (which appears as "ADMIN Administrator"), and then click **Edit Name/Password**. The User Name / Password dialog opens.




Step 4. Type the new password into the Password field.

- Passwords are case-sensitive.
- Alpha and numeric characters are supported.
- 1 character minimum and 15 character maximum.

Step 5. Type the same new password into the Re-enter Password field.

**NOTE:** Make note of the password because the new password cannot be retrieved from the workstation.

Step 6. Click **OK**.

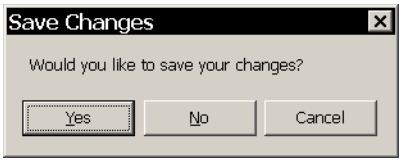
Step 7. Click **Exit** to exit the User Editor.

Step 8. Click **OK** to acknowledge the information dialog.




Step 9. Click **Exit** to exit the Configuration Tool.

Step 10. Click **Yes** to save your changes.




# 4.7 User Configuration

## 4.7.1 User Definitions

The Admin user manages users and their passwords by creating a profile for a user which includes a name, a password, and a Security Option. A Security Option check box selected on the User Editor window determines what operations are available to a user. For example, some users may have permission to respond to point events on the workstation (Point Control).

## 4.7.2 Assigning User Permissions in Canada

In Canada, user accounts/permissions must be granted in accordance with the following guidelines:

1. **Client Control** — Granted to persons having a general responsibility for safety supervision, who might be expected to investigate and initially respond to a fire alarm or trouble indication;
2. **Point Contro**l — Granted to persons who have a specific responsibility for safety and who are trained to operate the fire signal receiving centre and systems;
3. **Administrator** — Granted to persons who are trained and authorized by the manufacturer to:
    1. Reconfigure the site specific data held within the fire signal receiving centre and systems or controlled by it; and
    2. Maintain the fire signal receiving centre and systems in accordance with the manufacturer’s published instructions and data.

**Table 4.1 User Permissions**

| User Permissions | Accounts - Permissions Level | | | |
|---|---|---|---|---|
| | User | Client Control | Point Control | Administrator |
| Print Events and Floor Plans | NO | YES | YES | YES |
| View History and Linked Media | YES | YES | YES | YES |
| Backup History Data | NO | YES | YES | YES |
| Acknowledge Events at Workstation | NO | YES | YES | YES |
| Acknowledge Field Events | NO | NO | YES | YES |
| Silence | NO | NO | YES | YES |
| Reset | NO | NO | YES | YES |
| Enable/Disable Points | NO | NO | YES | YES |
| Activate/Deactivate Points | NO | NO | YES | YES |
| Manual Evacuation | NO | NO | YES | YES |
| Change/Configure Site Specific Data | NO | NO | NO | YES |
| Change/Configure User Accounts | NO | NO | NO | YES |
| Change/Configure Software Options | NO | NO | NO | YES |

**Table 4.2 Basic PC Functionality**

| Basic PC Functionality | Access Level | |
|---|---|---|
| | Restricted User Account | Administrator Privileges Account |
| Run ONYXWorks Applications | YES | YES |
| Acknowledge Switches | NO | YES |
| Reset Operating System | NO | YES |
| Change PC Settings | NO | YES |
| Change/Install Software Programs | NO | YES |
| Change/Create Local PC User Accounts | NO | YES |
| Set Time and Date | NO | YES |
| NOTE: In Canada the PC must be run in Restricted Mode. | | |

## 4.7.3 Point Controls

The following choices are only displayed and selectable when a user has been designated User w/ Point Control. All are selected if a user has been designated Administrator on the Security Options tab.

- Field Acknowledge
- Silence/Reset
- Enable/Disable
- Activate/Deactivate
- Manual Evacuation
- Lock/Unlock
- Arm/Disarm

## 4.7.4 User Security Options

The User Editor window's Security Option check boxes determine what operations are available to a user. The Security Options are defined in the terms of the action that the user is allowed to perform on menu selections and events.

**Table 4.3 Security Option Descriptions**

| | Proprietary Receiving Unit | | | | Protected Premises Control Unit | | | |
|---|---|---|---|---|---|---|---|---|
| **Menu Item** | **User** | **w/Client Control** | **w/Point Control** | **Admin** | **User** | **w/Client Control** | **w/Point Control** | **Admin** |
| **File** | YES | YES | YES | YES | YES | NA | YES | YES |
| **Login** | YES | YES | YES | YES | YES | NA | YES | YES |
| **Add History Entry** | YES | YES | YES | YES | YES | NA | YES | YES |
| **Print Floorplan** | NO | YES | YES | YES | NO | NA | YES | YES |
| **Print Events** | NO | YES | YES | YES | NO | NA | YES | YES |
| **Exit** | NO | NO | NO | YES | NO | NA | NO | YES |
| **View** | YES | YES | YES | YES | YES | NA | YES | YES |
| **Toggle Text/Graphics Mode** | NO | YES | YES | YES | NO | NA | YES | YES |
| **History** | YES | YES | YES | YES | YES | NA | YES | YES |
| **System...** | NO | YES | YES | YES | NO | NA | YES | YES |
| **Search for Device** | NO | YES | YES | YES | NO | NA | YES | YES |
| **Armed/Disarmed** | NO | YES | YES | YES | NO | NA | NO | YES |
| **Background Activations** | NO | YES | YES | YES | NO | NA | YES | YES |
| **Actions** | YES | YES | YES | YES | YES | NA | YES | YES |
| **Signs** | NO | YES | YES | YES | NO | NA | YES | YES |
| **Open Verifire Tools** | NO | NO | NO | YES | NO | NA | NO | YES |

**Table 4.3 Security Option Descriptions (Continued)**

| | Proprietary Receiving Unit | | | | Protected Premises Control Unit | | | |
|---|---|---|---|---|---|---|---|---|
| **Menu Item** | **User** | **w/Client Control** | **w/Point Control** | **Admin** | **User** | **w/Client Control** | **w/Point Control** | **Admin** |
| **Macros (visible only when macros present)** | NO | NO | YES | YES | NO | NA | YES | YES |
| **Configure** | YES | YES | YES | YES | YES | NA | YES | YES |
| **Launch Configuration Tool** | YES | YES | YES | YES | YES | NA | YES | YES |
| **Monitoring Profiles** | * | * | * | YES | * | NA | * | YES |
| **Options** | NO | NO | NO | YES | NO | NA | NO | YES |
| **Back up & Clear History DB** | NO | YES | YES | YES | NO | NA | YES | YES |

* Permission is determined by an option in the User Editor.

## 4.7.5 User Additions and Modifications

### User Additions Procedure

This is the method used to add an individual's name to the User Name listing, to set their password and Security Option. A user can only change this password if the Admin user has defined a Security Option that allows them to do so. When the workstation starts, "Logged Out" is displayed in the top right corner of the screen.

Step 1. Login as the Admin user.

Step 2. Main Menu select Configure >Users. The User Editor window displays.

Step 3. Click-on the Add button. The Add New User window displays.

Step 4. Type in entries for the first, middle, and last name fields.

Step 5. Type the new password into the Password field.

- Passwords are case-sensitive.
- Alpha and numeric characters are supported.
- 1 character minimum and 15 character maximum.

Step 6. Type the same new password into the Re-enter Password field.

Step 7. Check the appropriate Security Option box.

- Use the definition in "User Security Options" on page 41 to determine which profile to use for a user.
- If User w/Point Control is checked the Point Control tab will be displayed.

Step 8. Click on the Apply button to complete adding a user.

Step 9. Click on the Close button to close the window.

### About User Modifications

The steps to modify a user's name, password, and Security Option are similar to the "User Additions Procedure".

### 4.7.6 User Access to Workstation Keyboard Short-cuts

PC Monitor is an application installed with the workstation software application. It will automatically start, like Windows, when the workstation computer is started. Its primary function is to activate other applications as required, however it is also has a selection that used to deny access to some keyboard operations.

The PC Monitor choices are accessed by right clicking on its icon located in the Windows System Tray. The icon is an arrow pointed diagonally upward.

This toggle type choice is used by the Admin user to lockout PC keyboard key combinations that allow the user to access to Windows programs outside of the workstation software application (Windows key), to shut-down or restart the PC (Alt - Ctrl - Delete), and Windows task switching (Alt - Tab). The capability to acknowledge events is not affected when this selection is made.

A prompt is displayed indicating that this selection (checked) requires a workstation PC reboot in order for it to take effect. The Admin user changes this setting by logging in and selecting (uncheck) the choice.

## 4.8 Monitoring Profile Configuration



**NOTE:** Monitoring Profiles must be configured before use in Local Event Printer Configuration, Local Event Printer Configuration, Pager/Modem Configuration, or E-Mail configuration. Refer to the *ONYXWorks Workstation Manual* (LS10050-000NF-E) for more information.

### 4.8.1 Monitoring Profile Overview

Monitoring Profiles allows the Admin user to select what nodes will be monitored by a workstation. The profile is defined for a specific network and/or node on a network. That profile determines what events are displayed by the workstation. By using Monitoring and Control Profiles, supervision of portions of the network is possible.

Monitoring Profiles are event annunciation filters that are set up to monitor or not monitor an event location and its event type at the Configuration Tool.

The factory defined monitoring profile “Default” is set to monitor all networks and nodes. To hide any networks or nodes and their respective event types, a monitoring profile must be created.

To configure Monitoring Profiles, follow these steps:

Step 1. Start the Configuration Tool.

Step 2. From the main menu, select the Monitoring Profile icon . The Monitoring Profile window opens.

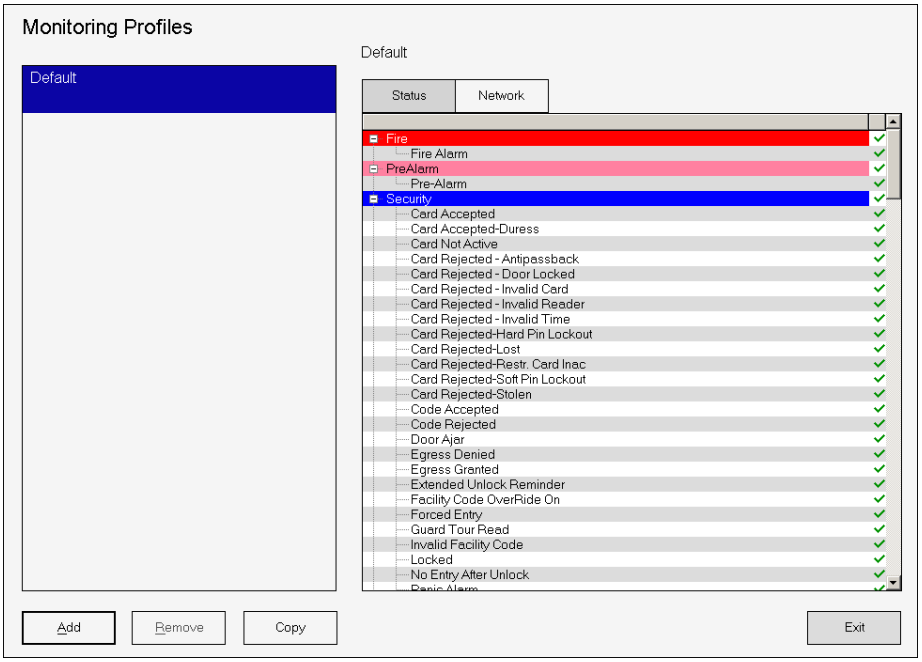



**Figure 4.7 Monitoring Profiles Window**

## Add a New Monitoring Profile

Step 1. Click the **Add** button.

Step 2. Enter the name of the profile in the window that appears.

Step 3. Click **Enter**.

Step 4. Make sure the profile name just added is highlighted.

Step 5. Items to be monitored are in the right panel. Use the Status button to select which status types to monitor. Click the Network button to select which elements on the system are to be monitored. Clicking on an item will toggle the monitoring setting for each item. A green check means the item will be monitored; a red "**X**" means the item is not monitored.

## Remove a Monitoring Profile

To remove a profile, click on the name of the profile and press the Remove button.

## Copy a Monitoring Profile

Step 1. Click the **Copy** button.

Step 2. Enter the name of the new profile in the window that appears.

Step 3. Click Enter.

Step 4. Modify the settings as necessary as described in Step 5 above.

# 4.9 Control Profiles Configuration

## 4.9.1 Control Profiles Overview

Control profiles allow users with sufficient privileges to select what network and nodes will be controlled by a workstation. Control profiles enable the right-click menu options (enable, disable, arm, disarm etc.) on point icons and on events in the events boxes. A profile can be defined for either a network or a single node.

A remote node can only accept a command or acknowledgment from a workstation which controls it. When a user acknowledges an event from a workstation that does not control the node where the off-normal device resides, the event is acknowledged at that workstation only.

Only one workstation at a time may control a given node. Taking control of a node from one workstation automatically cancels control of that node at any other workstation.

A fire network may be monitored by multiple workstations, each of which control only a portion of the nodes on the network. This is often the most feasible solution for monitoring large networks.

To configure Control Profiles, follow these steps:

Step 1. Start the Configuration Tool.

Step 2. From the main menu, select the Control Profile icon . The Control Profile window opens.

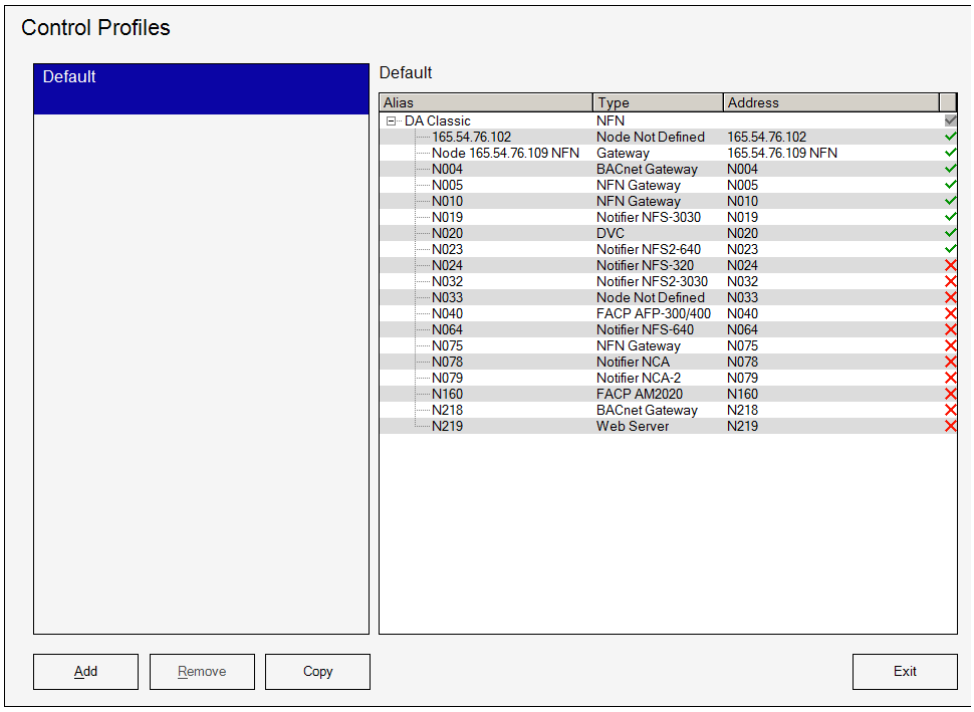



**Figure 4.8 Control Profiles Window**

### Add a New Control Profile

Step 1. Click the **Add** button.

Step 2. Enter the name of the profile in the window that appears.

Step 3. Click **Enter**.

Step 4. Make sure the profile name just added is highlighted.

Step 5. Items to be controlled are in the right panel. Clicking on an item will toggle the control setting for each item. A green check means the item will be controlled by the workstation on which the profile is active; a red "**X**" means the item is not under control.

### Remove a Control Profile

To remove a profile, click on the name of the profile and press the **Remove** button.

### Copy a Control Profile

Step 1. Click the **Copy** button.

Step 2. Enter the name of the new profile in the window that appears.

Step 3. Click **Enter**.

Step 4. Modify the settings as necessary as described in Step 5 above.

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