Your comments and suggestions on the operation of this software are welcome. Please address them to:

ICONICS

100 Foxborough Blvd.

Foxborough, MA 02035

Tel: 508-543-8600

Fax: 508-543-1503

E-Mail: support@iconics.com

Web: www.iconics.com

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Introduction

AlarmWorX+ Multimedia has long been one of ICONICS' core products. The success of AlarmWorX+ Multimedia has brought ICONICS numerous customer requests to develop such new features as Video, SMS Support, 2-Way Paging, and Marquees. The result: ICONICS' creation of its third generation of AlarmWorX32 Multimedia! This, the most powerful multimedia product available to address market conditions, employs the latest technologies to bring you unsurpassed capabilities.

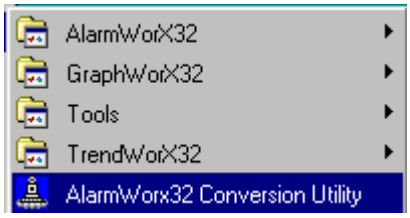
AlarmWorX32 Multimedia's key features include:

- MAPI-based paging
- TAPI-based telephony support
- Email with 2-way acknowledgment
- URLs and pop-up capabilities to shell out to other apps
- Message-scrolling marquees
- Instant-messenger support
- Prerecorded auditable alarms
- Text-to-speech alarms
- TAP and GSM / SMS support
- Advanced scheduling and personal escalation

To aid the shift of our current AlarmWorX+ customers to the new generation of multimedia products, ICONICS has created an easy-to-use Conversion Utility. This document describes the necessary procedure for conversion to AlarmWorX+ applications.

The AlarmWorX+ Conversion Utility allows you to translate efficiently older AlarmWorX+ configurations into new distributed enterprise-wide alarm-and-events management using AlarmWorX32 Multimedia configuration. In this way, you will be able to enjoy the simplicity and power of ICONICS' new generation of products.

Note: The AlarmWorX+ Conversion Utility must be installed separately. It is located in the tools directory of the ICONICS GENESIS32 V 6.1 or Product CD, as shown below:



Tools Directory

AlarmWorX+ Overview

AlarmWorX+ provides OPC-compliant multimedia technology for remote alarm notification. Connect pagers, PA systems, Voice, E-mail, Fax, and Telephony systems to industry-standard OPC servers.

Voice alarming delivers specific messages quickly and effectively by actually announcing them using speech and sound. It eliminates the confusion of having a single siren or bell represent multiple alarms. AlarmWorX+ is ideal for unattended applications requiring remote alarm notification.

Easily integrate with popular HMI/SCADA or any custom applications using industry-standard OPC Data Access and via OPC automation. Connect to PLCs, DCS Systems, I/O Devices, and open communications bus standards such as Profibus, Interbus, CAN, Devicenet, and many more.

Features include:

- Designed for Windows NT, 95/98/Me, and 2000
- 32-bit multimedia OPC alarming client
- Real-time alarm summary display
- Easy configuration and set-up
- Voice annunciation of alarms
- Support for popular international pagers
- Supports MAPI-based E-mail systems
- Telephone voice systems
- Personnel scheduler
- Historical alarm analysis
- Alarm troubleshooting system
- Supports industry standards interfaces

AlarmWorX+ is an OPC Data compliant multimedia alarming package that is capable of notifying the operator of an alarm through every possible medium. The product is base upon the 16-bit AlarmWorX+ product and reuses much of the same code. However, all of the third-party controls and the code supporting these controls are different.

One of the main features of the new AlarmWorX+ product is the addition of OLE for Process Control (OPC). This functionality allows users to browse points from any OPC-compliant server. Since OPC is an industry standard, it allows greater flexibility for customers who are no longer bound by company specific drivers.

AlarmWorX+ Conversion Utility Compatibility

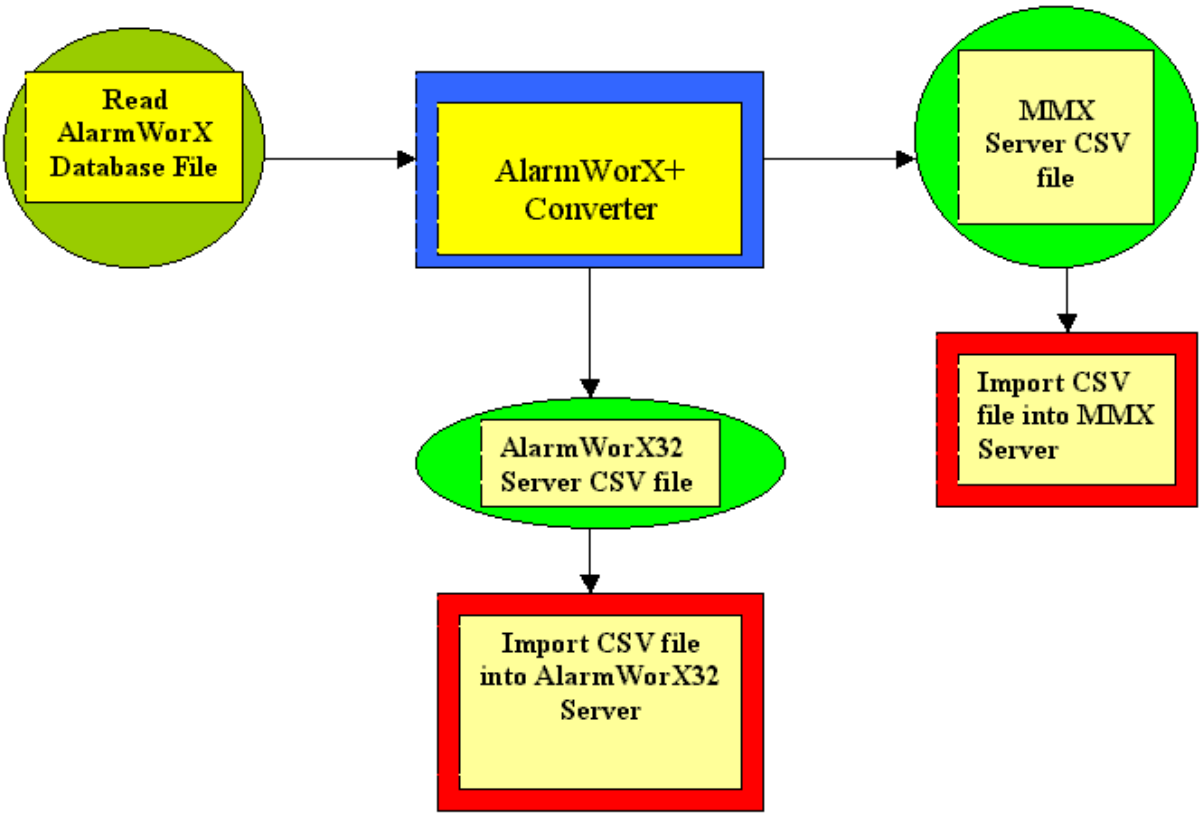
AlarmWorX+ Conversion Utility is compatible with all AlarmWorX+ versions starting from version 5.0. These versions include:

- **AlarmWorX+ 5.0**
- **AlarmWorX+ 5.1**
- **AlarmWorX+ 5.3**
- **AlarmWorX+ 6.0**
- **AlarmWorX+ 6.1**

Note: All versions previous to 5.0 are not compatible with AlarmWorX+ Conversion Utility.

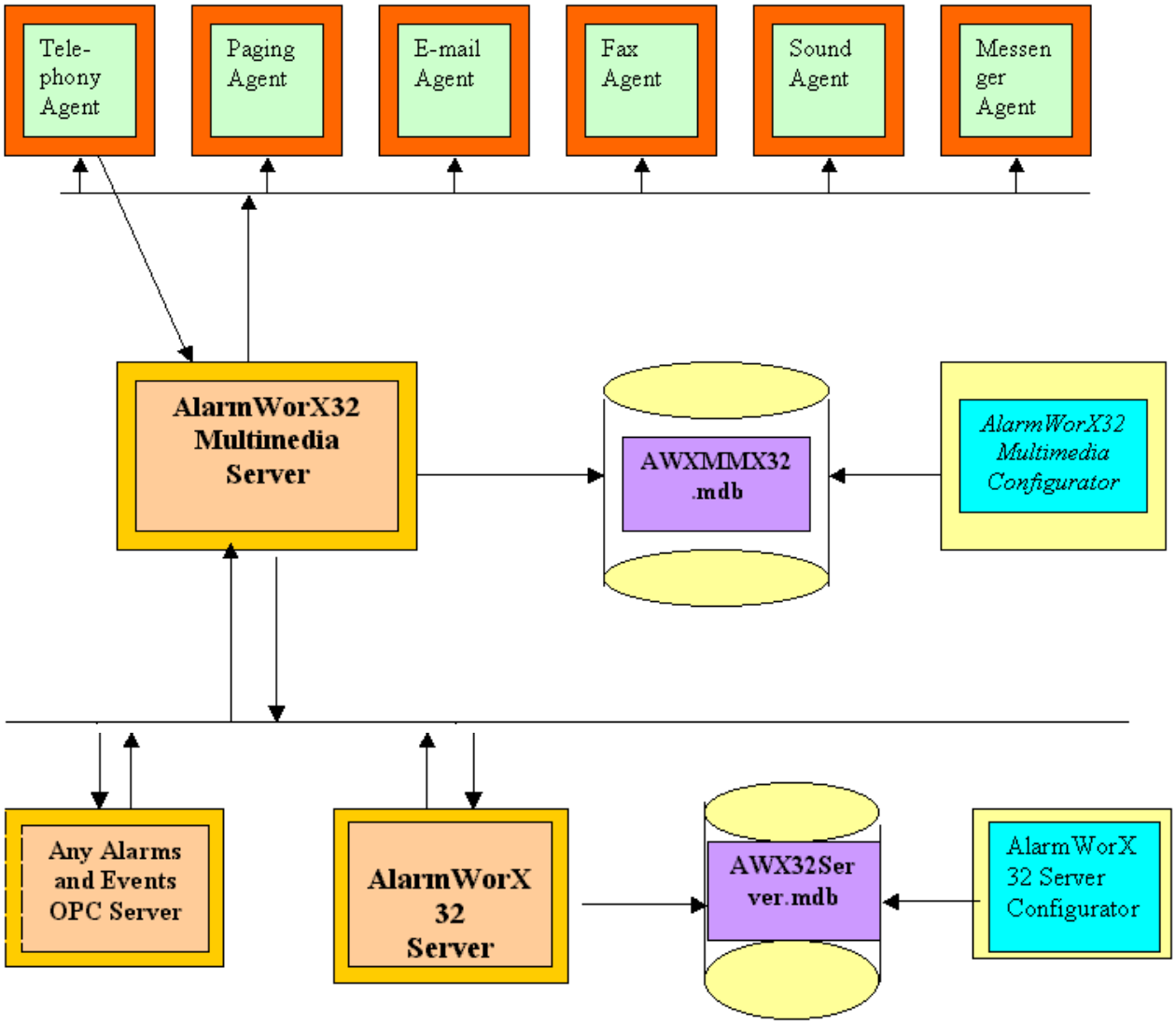
Step-by-Step Conversion Procedure

The figure below provides you with a general view of ICONICS AlarmWorX+ to AlarmWorX32 Conversion Utility (hereafter called "Converter"). The Converter's two main parts are shown below. The first part has been designed to point to place where AlarmWorX+ information is stored. The second part is for configuring the multimedia information extraction process.



Conversion Process Diagram

AlarmWorX32 Multimedia Services Architecture



AlarmWorx32 Multimedia Architecture

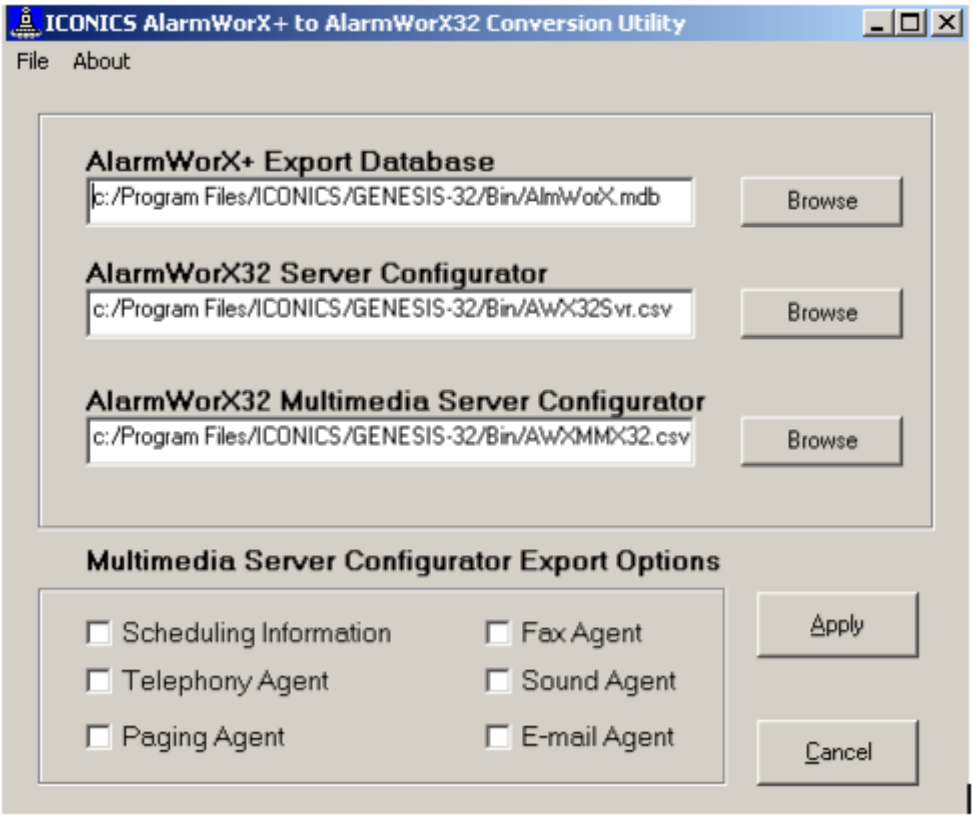
Step 1: A General Description of the Converter
Step 2: Configuration Fields
Step 3: Importing Into the AlarmWorX32 Server Configurator
Step 4: Importing .csv Files Into the AlarmWorX32 Multimedia Server Configurator

Step 1: A General Description of the Converter

You can extract one or more categories from the following list (in case of AlarmWorX+ Multimedia notification information):

1. Scheduling information
2. Telephony agent information
3. Paging agent information
4. Fax agent information
5. Sound agent information
6. E-mail agent information

To perform an extraction of AlarmWorX+ Tags and Multimedia Notification data to .csv files, you must select the Almworx.mdb file, then point the Converter to the places where you wish to store the extracted .csv files (for the AlarmWorX32 Server Configurator and AlarmWorX32 Multimedia Server Configurator, respectively).



General View of Converter

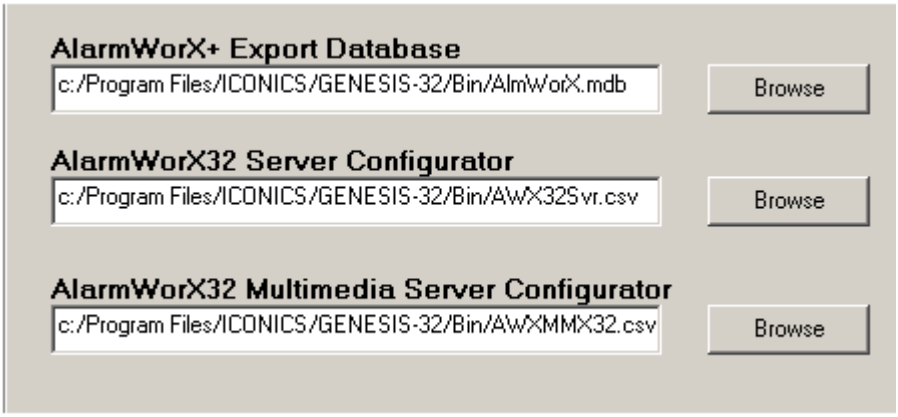
Step 2: Configuration Fields

AlarmWorX+ Export Database: The location of the AlarmWorX+ Configuration .mdb file.

AlarmWorX32 Server Configurator: The destination of the .csv file for AlarmWorX32 Server Configurator.

AlarmWorX32 Multimedia Server Configurator: The destination of the .csv file for the AlarmWorX32 Multimedia Server Configurator.

The **Export Database, Server Configurator,** and **Multimedia Server Configurator** fields on the **AlarmWorX+ Conversion Utility** dialog box make it easy for you to select the source and destination of database files.



Configuring the Destination of Extracted Files

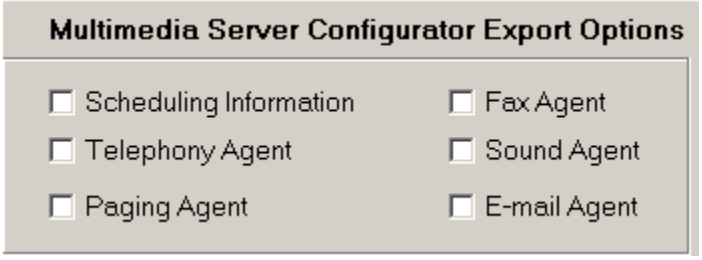
Multimedia Server Configurator Export Options

- **Scheduling Information:** Check this option to export AlarmWorX+ scheduling information.
- **Telephony Agent:** Check this option to export the AlarmWorX+ Telephony configuration.
- **Paging Agent:** Check this option to export the AlarmWorX+ Paging configuration.
- **Fax Agent:** Check this option to export the AlarmWorX+ Faxing configuration.

- **Sound Agent:** Check this option to export the AlarmWorX+ sound file configuration.

- **E-mail Agent:** The E-mail Agent allows you to send an e-mail giving alarm information.

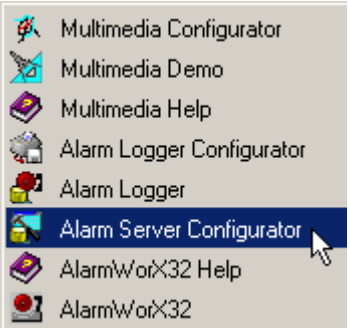
The **Multimedia Server Configurator Export Options** section of the **AlarmWorX+ Conversion Utility** dialog box appears below:



Multimedia Server Configurator Export Options

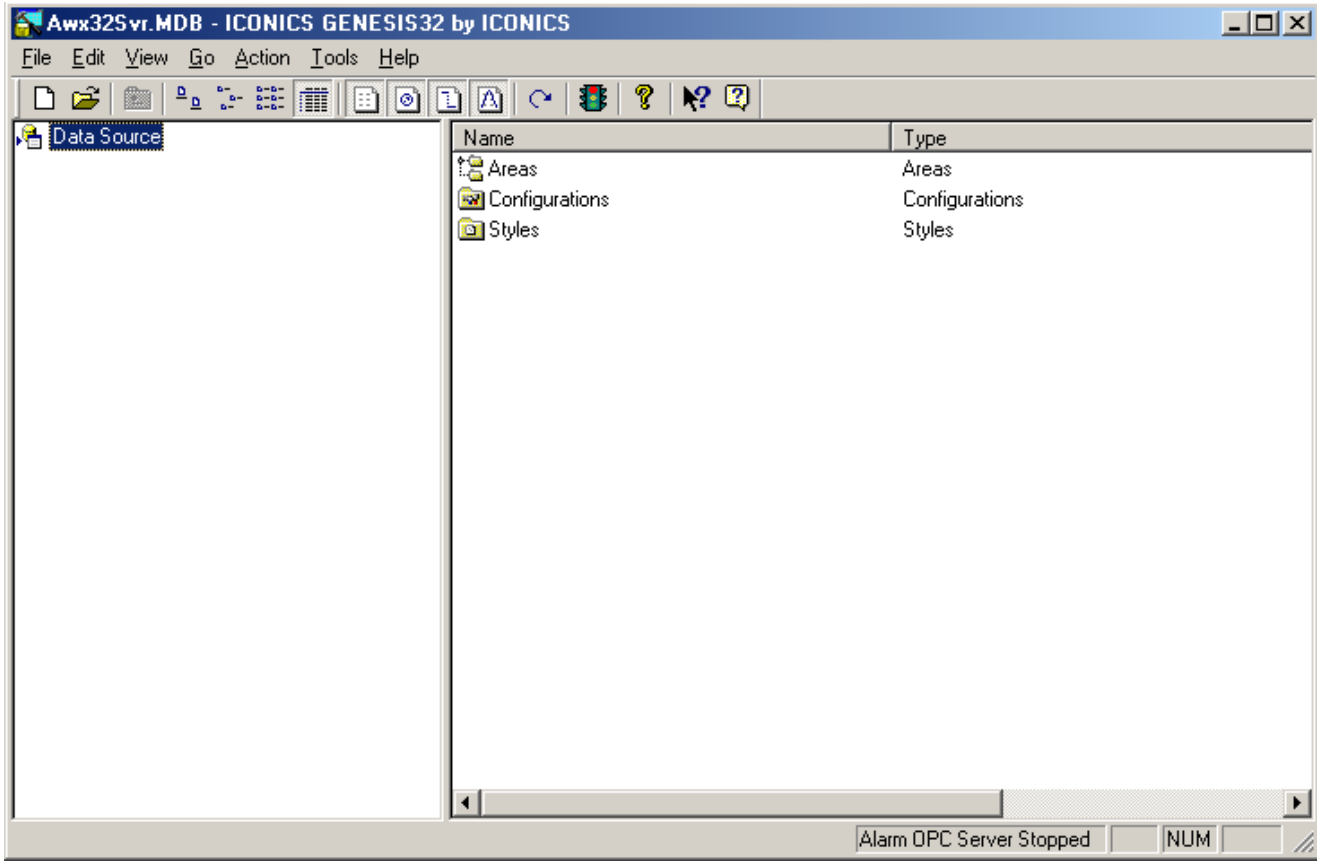
Step 3: Importing Into the AlarmWorX32 Server Configurator

To open the AlarmWorX32 Server Configurator, follow the path Start > Programs > ICONICS GENESIS32 > AlarmWorX32 > Alarm Server Configurator, **as shown below:**



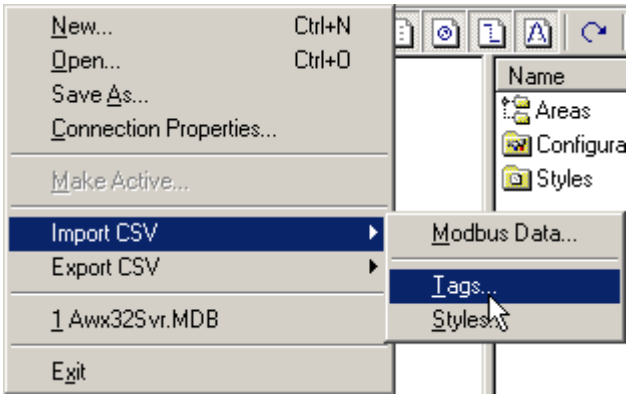
Opening the Alarm Server Configurator

The AlarmWorX32 Server Configurator screen will open, as shown below:



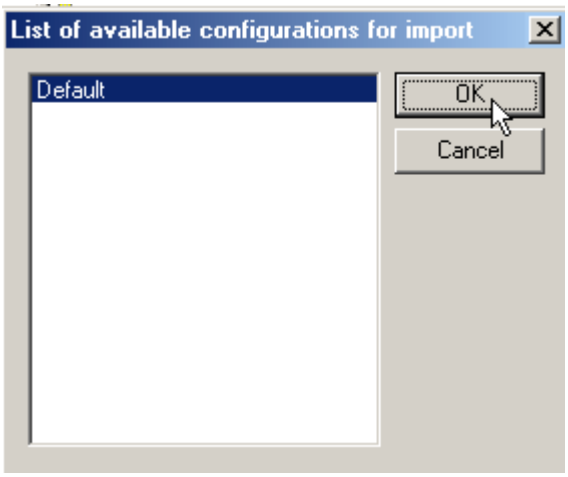
AlarmWorX32 Server Configurator Screen

To import specially created .csv files into the AlarmWorX32 Server Configurator, go to **File/ Import CSV / Tags** and choose the correct file, as shown below:



Choosing the File

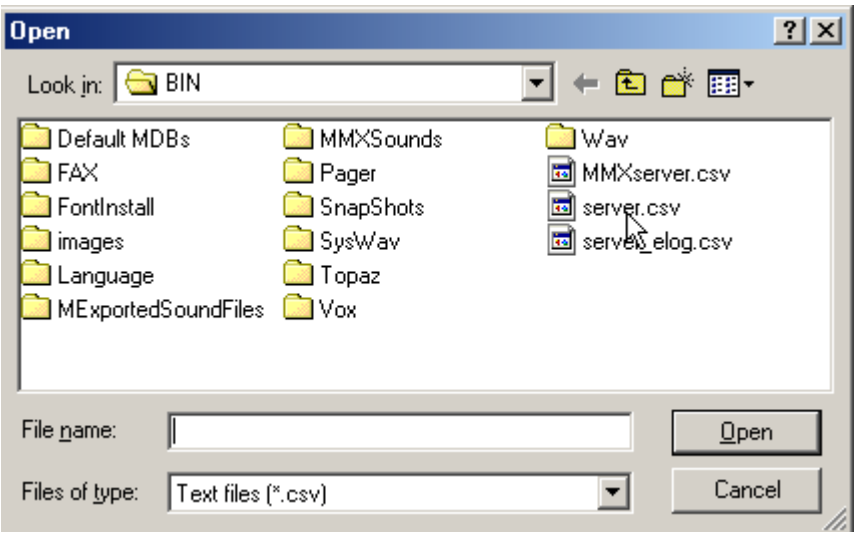
The **List of Available Configurations for Import** dialog box will appear, as shown below:



List of Available Configurations for Import Dialog Box

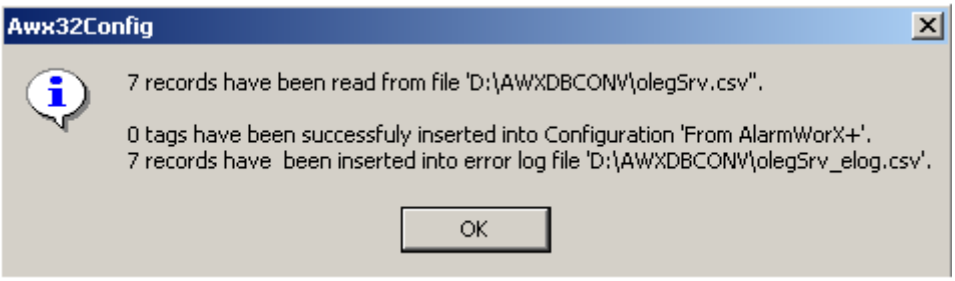
Click on the **OK** button.

The **Open** dialog box will appear, as shown below:



Selecting Your Server .csv File

In the directory, click on the file that you wish to import, as shown in the figure above. The AlarmWorX32 Server Configurator will then try automatically to read and incorporate data from the designated .csv file. Immediately after the import process has been completed, the AlarmWorX32 Server Configurator will display a notification message box with statistical info about the inserted tags, as shown in the figure below:



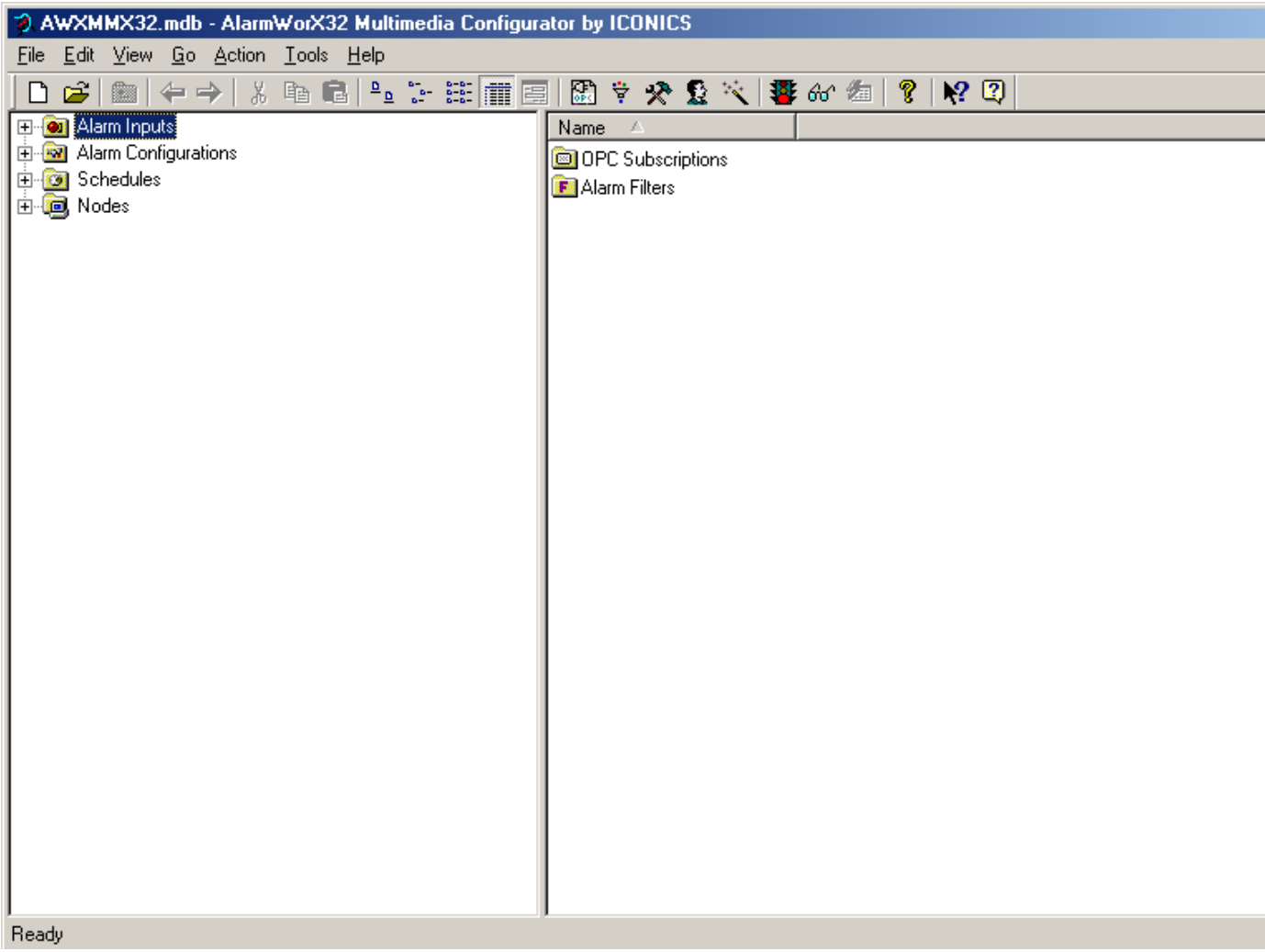
Tags Successful Import Notification Message Box

Step 4: Importing .csv Files Into the AlarmWorX32 Multimedia Server Configurator

To open the AlarmWorX32 Server Configurator, follow the path **Start > Programs > ICONICS GENESIS32 > AlarmWorX32 > Multimedia Configurator,** as shown below:

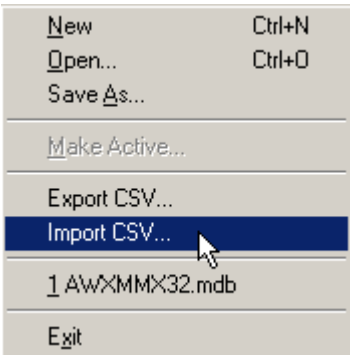
Opening Multimedia Configurator

The AlarmWorX32 Multimedia Configurator screen will open, as shown below:



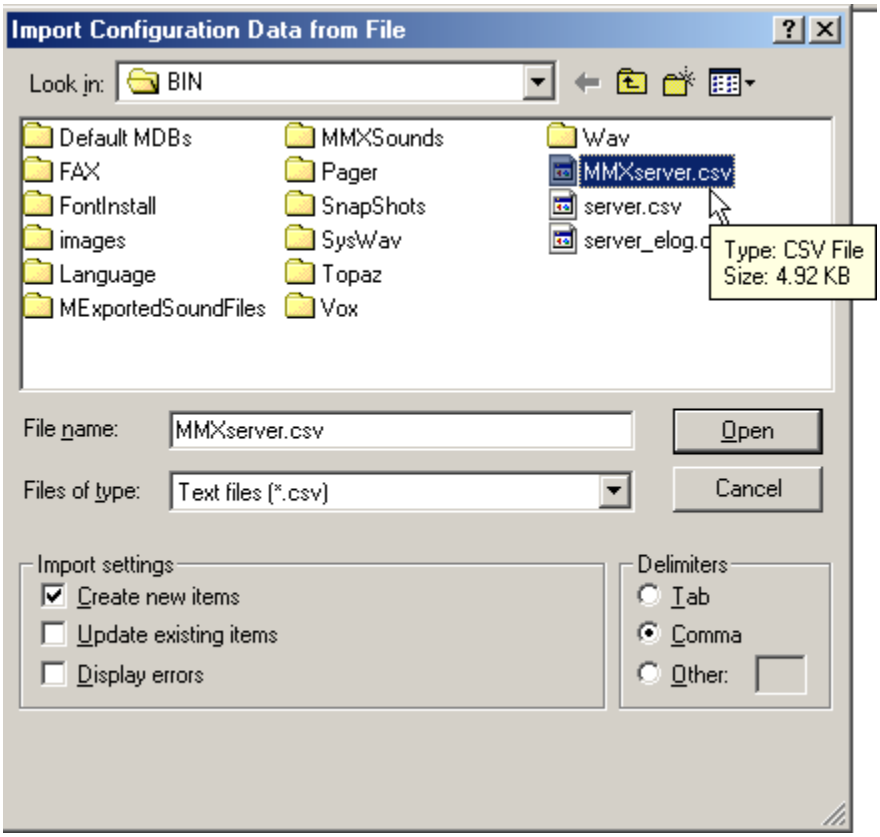
AlarmWorX32 Multimedia Configurator Dialog Box

To import specially created .csv files into the AlarmWorX32 Multimedia Server Configurator, go to select **Import CSV** from the **File** menu and choose the right file as shown below:



Accessing the .csv Files

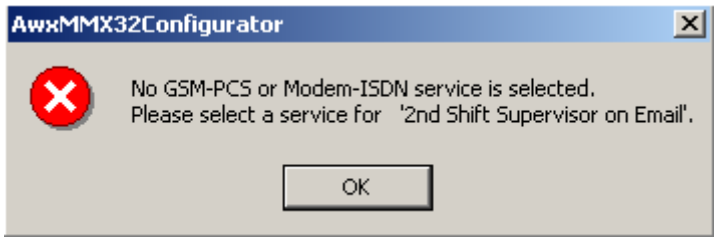
.



Importing Configuration Data From File

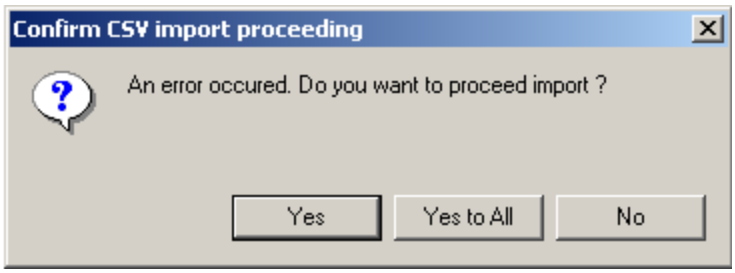
In the directory, click on the file that you wish to import, as shown in the figure above.

During the import process, an error can occur. In the figure below, the error message box represents a particular pager type of record error.



Error Message Related to Paging Service

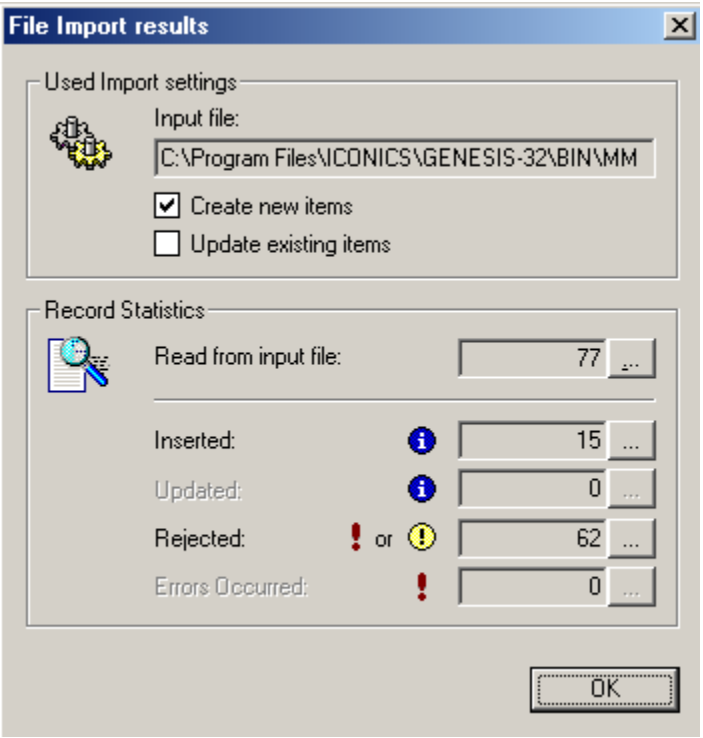
After clicking on the **OK** button on the error message box, a **Confirm CSV Import Proceeding** confirmation message box will appear, as shown below:



Confirm CSV Import Proceeding Message Box

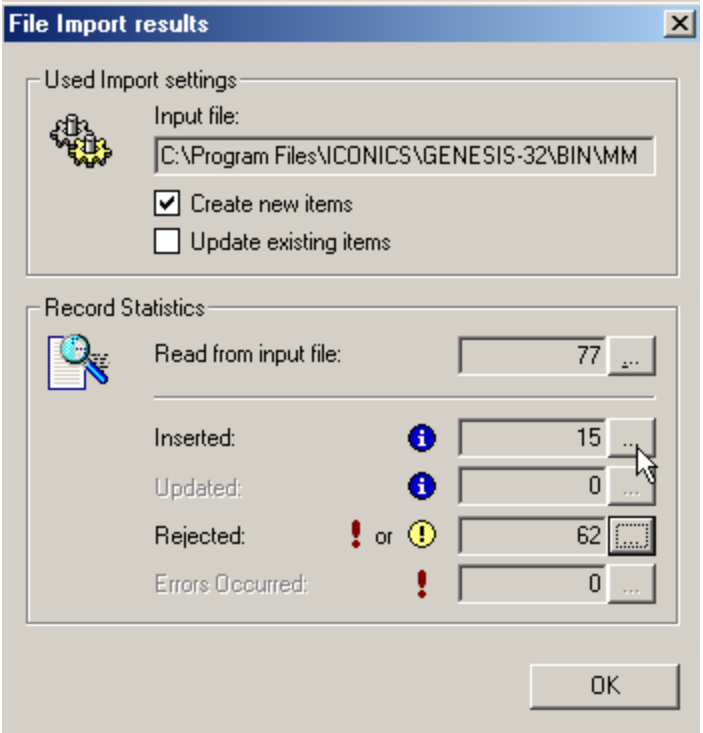
This message box can even be used to stop the import process.

The **File Import Results** dialog box will appear, as shown below:



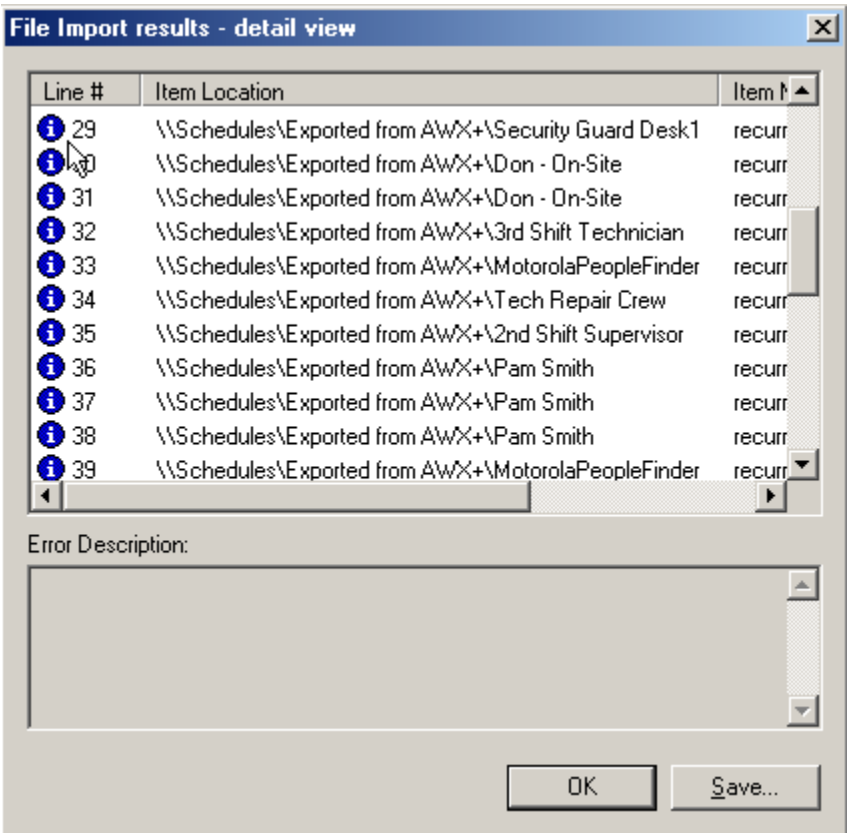
File Import Results Dialog Box

In the figure above, the **File Import Results** dialog box of the AlarmWorX32 Multimedia Server Configurator displays statistical data about the import process. To see details of files that you have successfully imported, click on the **...** button, as shown below:



Ellipse Button for Successfully Imported Files

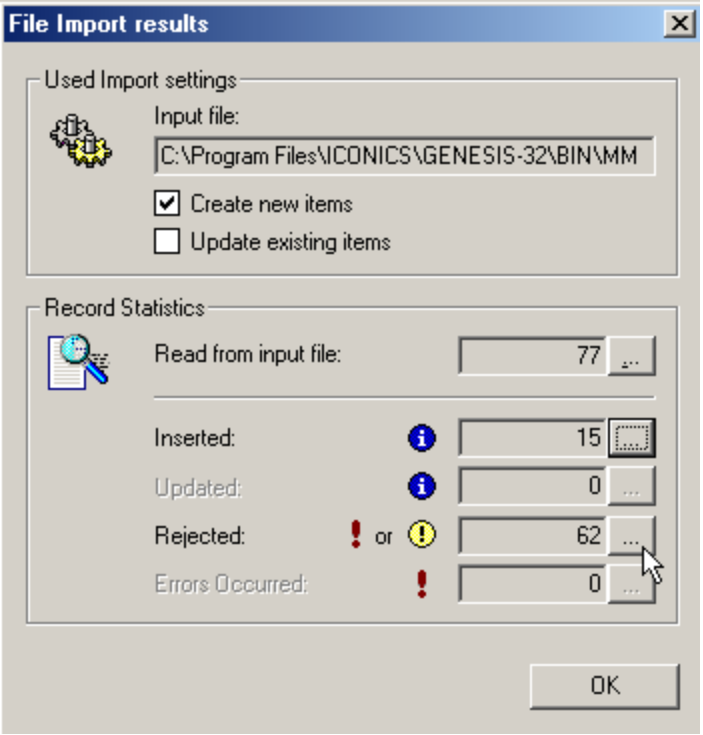
The **Detail View** dialog box will appear, as shown below:



Details of Successfully Imported Tools

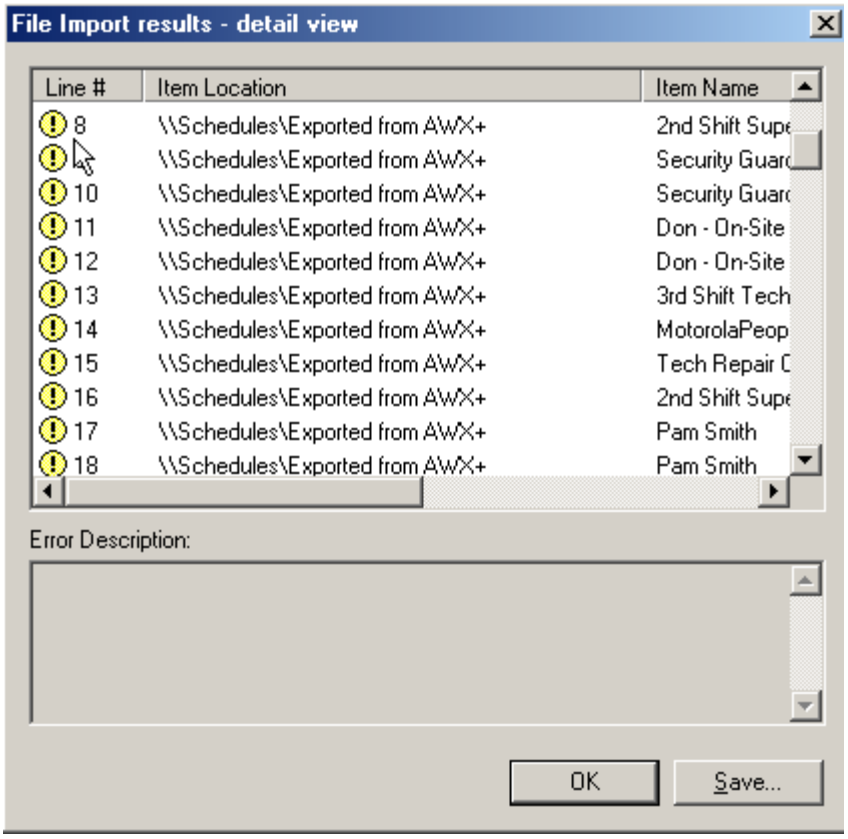
The successfully imported files are listed, as shown in the figure, above. Click on the **OK** button to return to the **File Import Results** dialog box.

To view details of the files that were not successfully imported, click on the **...** button, as shown below:



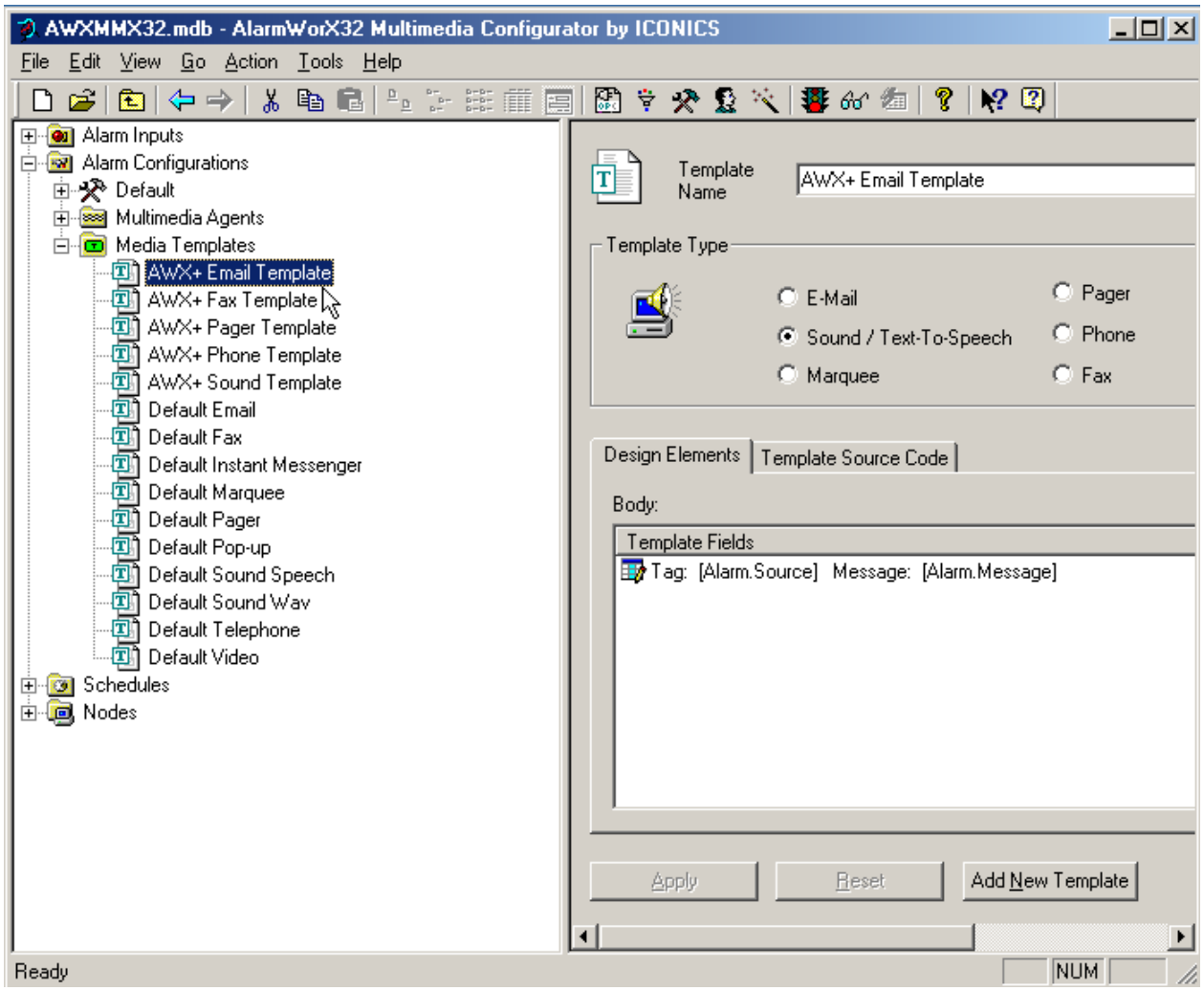
Ellipse Button for Rejected Files

The **Detail View** dialog box will appear, as shown below:



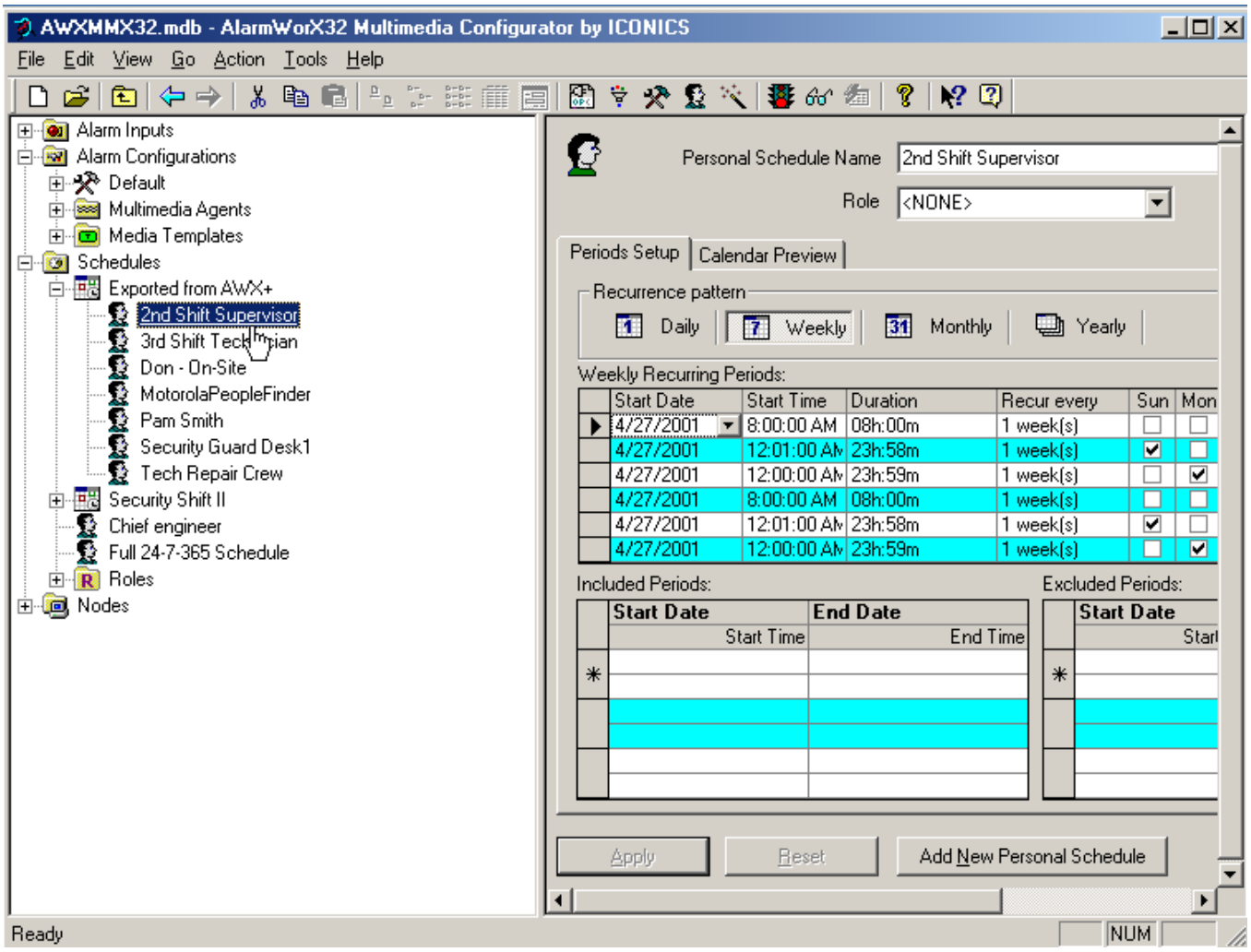
Detail View of Files Not Successfully Imported

The files not successfully imported are listed, as shown in the figure above. Click on the **OK** button to return to the **File Import Results** dialog box. Click on the **OK** button to return to the **Multimedia Configurator** screen, as shown below:



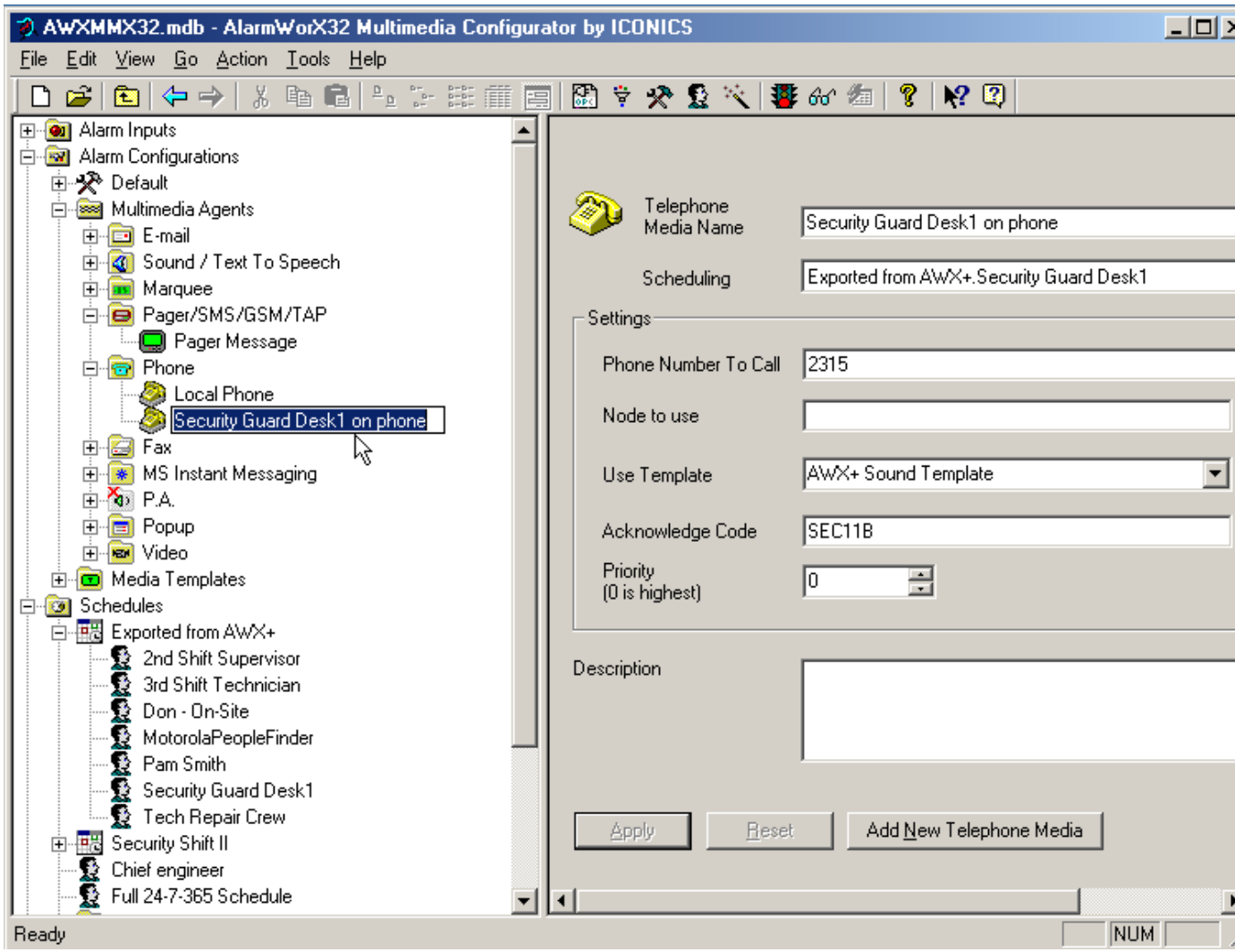
Multimedia Configurator Dialog Box: Template View

As shown in the figure above, click on **Alarm Configurations,** then **Media Templates,** and a list of templates will pop down. Click on one of the templates; it will appear in the right pane.



Multimedia Configurator Dialog Box: Schedule View

As shown in the figure above, click on **Schedules,** then **Exported from AWX+,** then on, for example, **2nd Shift Supervisor.** The supervisor's schedule will appear in the right pane.



Multimedia Configurator Screen: Telephone Media Name View

In the figure above, click on **Alarm Configurations, Multimedia Agents, Phone,** and **Security Guard Desk 1 on phone.** The imported telephone agent configuration appears in the right pane.

Telephone Media Name: Security Guard Desk1 on phone

Scheduling: Exported from AWX+.Security Guard Desk1

Settings

Phone Number To Call: 2315

Node to use: [Browse...]

Use Template: AWX+ Sound Template [Test]

Acknowledge Code: SEC11B

Priority (0 is highest): 0

Description:

Detailed View of Telephone Media Name Record