



# ES&S

## LogMonitor

# System Operations

# Procedures

LogMonitor 1.0.0.0

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Unity Event Logging System Operations Procedures, ES&S, Omaha, NE

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Proprietary Document Section	Description

## UNCERTIFIED FUNCTIONALITY NOTICE

This document is designated for use with the Unity 3.2.1.0 EAC voting system, which has been tested to the standards of the *2002 Voting Systems Standards (VSS)* to include a limited system configuration and feature set. Please be advised that this system and associated documentation includes functionality and descriptions of functionality that have not been fully tested or certified to the VSS.

The products and/or system features designated below **HAVE NOT COMPLETED TESTING FOR CERTIFICATION BY THE ELECTION ASSISTANCE COMMISSION (EAC)** to the requirements of the VSS:

### UNCERTIFIED PRODUCTS

- ❖ System Hardware
  - Automated Bar Code Reader
  - iVotronic DRE Precinct Tabulator
- ❖ System Software
  - Unity Data Acquisition Manager
  - Unity iVotronic Ballot Image Manager

### UNCERTIFIED SYSTEM FEATURES

- ❖ Network Results Transmission
  - Including remote transmission of vote data and local networking of central tabulators. Local networking of Election Management System workstations and reporting workstations is supported.

If your jurisdiction requires Federal Voting System certification at the Federal level or you have questions about your jurisdiction's certification requirements, please refrain from using the products and system features listed above until you have received approval from your State Election Authority. **USE OF ANY UNCERTIFIED SYSTEM FEATURES NOTED ABOVE WILL NEGATE THE UNITY 3.2.1.0 FEDERAL CERTIFICATION.** ES&S shall not be held responsible for any unauthorized use of the foregoing products and system features.

Please visit [www.eac.gov](http://www.eac.gov) for more information regarding United States Federal voting system certification requirements and procedures. Contact the Elections Authority for your jurisdiction with any questions about your local laws and requirements.

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## Introduction

Election Data Manager, Image Manager, ERM, AIMS, HPM and Audit Manager use the LogMonitor. LogMonitor checks the status of the Windows Event Log feature and closes all ES&S applications if the Event Log feature is disabled or not configured properly.

## ES&S Elections

Use ES&S software and hardware to create an election information database, format ballots, program ballot counting equipment, count ballots, and generate Election Day reports. Election Systems & Software products and services enable you to customize and scale election processes to meet the needs of your jurisdiction.

Before starting to code an election, an administrator sets up the Audit Manager to control who has access to election information. LogMonitor is setup to check the status of Windows Event Log and closes all ES&S applications if the Event Log feature is disabled or not configured properly. In a typical ES&S election, jurisdiction officials or ES&S election specialists use Election Data Manager to create an election database for your jurisdiction. Ballot layout artists and election programmers use the election database to format ballots with ESS Image Manager and program ballot scanning equipment with Hardware Programming Manager. AIMS is a program which manages election specific information for the VAT. On Election Day, poll officials monitor voting on precinct tabulators such as the DS200. Officials then hand-deliver ballots and scanner results to election headquarters. At the central location, election officials use Election Reporting Manager to convert raw data from your ballot scanners into formatted election reports.

## Precinct Count Systems

Jurisdictions that use precinct tabulators such as the DS200 collect vote data at polling places and physically transfer scanner memory devices to a central count site. Voters place ballots directly into paper scanners. Precinct scanners store voter selections at the polling place.

Election workers physically load ballot data from the scanner into Election Reporting Manager (ERM) from memory storage devices (such as the USB flash drive). Precinct count jurisdictions use Election Reporting Manager to combine election results from all of your jurisdiction's scanners to produce election reports. Election Reporting Manager generates a final election report after officials transfer all precinct scanner data to the central count computer.

## Ballot Data File

After you create county and election databases in Election Data Manager, you must convert your election information into a usable format for other software. Election Data Manager merges all of the office and candidate data from your election database into a single ballot data file (.bdf). Ballot layout artists use the raw election information in the ballot data file to design your jurisdiction's ballots. Scanner programmers use information from the ballot data file and Image Manager to program the election definitions for your ballot scanning equipment. Election Data Manager stores ballot data files in the election folder on your PC.

## Unity Software

Unity® software is a group of applications that, when used with Election Systems and Software (ES&S) ballot tabulators and voting machines, enables an election authority to fully administer and conduct an election. This includes the following front-end tasks.

- ❖ Creating and maintaining an administrative database
- ❖ Creating an election definition
- ❖ Laying out ballots, whether they are paper or electronic
- ❖ Setting up tabulators and voting machines.

It also includes the following back-end tasks

- ❖ Acquiring election results
- ❖ Accumulating all the results and other tabulator and voting machine data
- ❖ Printing of all reports
- ❖ Exporting files, as required, to other entities.

Each of the applications may be used on a stand-alone basis, in conjunction with the other applications in the suite, being supplied with data from or supplying data to another application running at another facility.



**NOTE:** Unity applications require a good working knowledge of IBM- compatible personal computers, the Microsoft® Windows XP operating system, the election process and election terminology.

## Contact ES&S for Technical Support

This manual should aid you in accomplishing most LogMonitor-related tasks. However, if you need additional assistance, or if you encounter a processing problem or system error, ES&S's technical support staff can provide advice and help you resolve the situation.

When you contact ES&S for technical support, please be near your equipment. In addition, be prepared to provide the following information to the support representative:

- ❖ The version number of the product you are using.
- ❖ The *exact* wording of any messages that appeared.
- ❖ A description of what happened when the problem occurred.

Support representatives are available Monday through Friday between 8:00 A.M. and 5:00 P.M. central time.

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### Contact an ES&S Support Representative

Telephone:	877-377-8683 (USA & Canada)
	402-593-0101 (International)
Fax:	402-593-8107
Write:	Election Systems & Software
	11208 John Galt Blvd.
	Omaha, NE 68137 USA

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ES&S's support services are subject to ES&S's prices, terms and conditions in place at the time the service is used.

## LogMonitor Minimum System Requirements

- ❖ PC with 1-GHz or faster processor
- ❖ 512 MB RAM
- ❖ Windows XP Professional
- ❖ Keyboard and Mouse
- ❖ 40-GB hard drive
- ❖ 48x CD-ROM or DVD Drive

## Summary

The event logging service consists of one project.

Project Name	Description	Type
LogMonitor.exe	Service to monitor Windows Event Log and shut down any ES&S applications if Windows Event Log is deactivated.	Win32 Service

## Installing LogMonitor



**NOTE:** You must have administrator rights to your PC in order to install the LogMonitor.

1. Place the LogMonitor Setup.exe in a folder on your C drive, from the media you receive from ES&S.

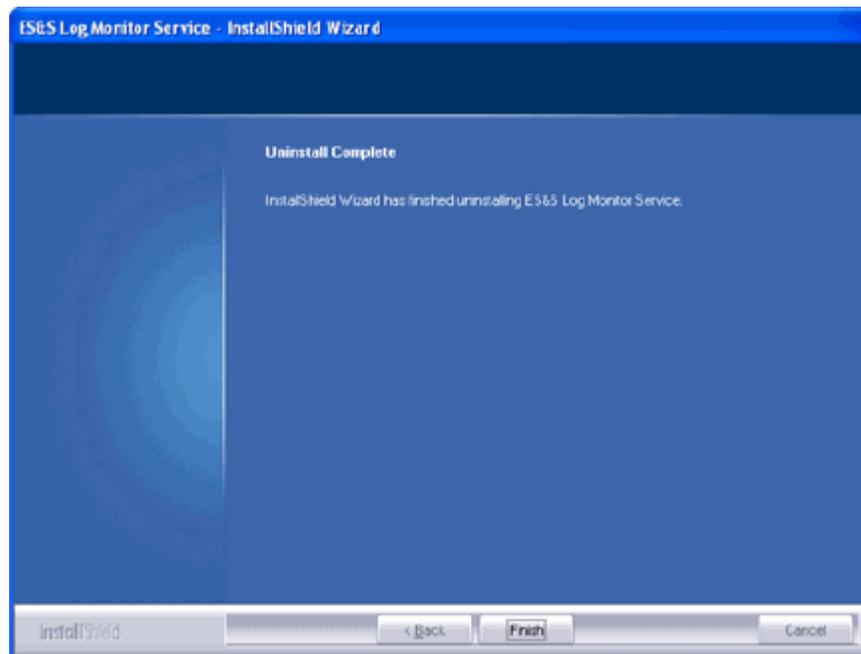


If you have a previous version of LogMonitor it will be uninstalled first, before installing the current version.

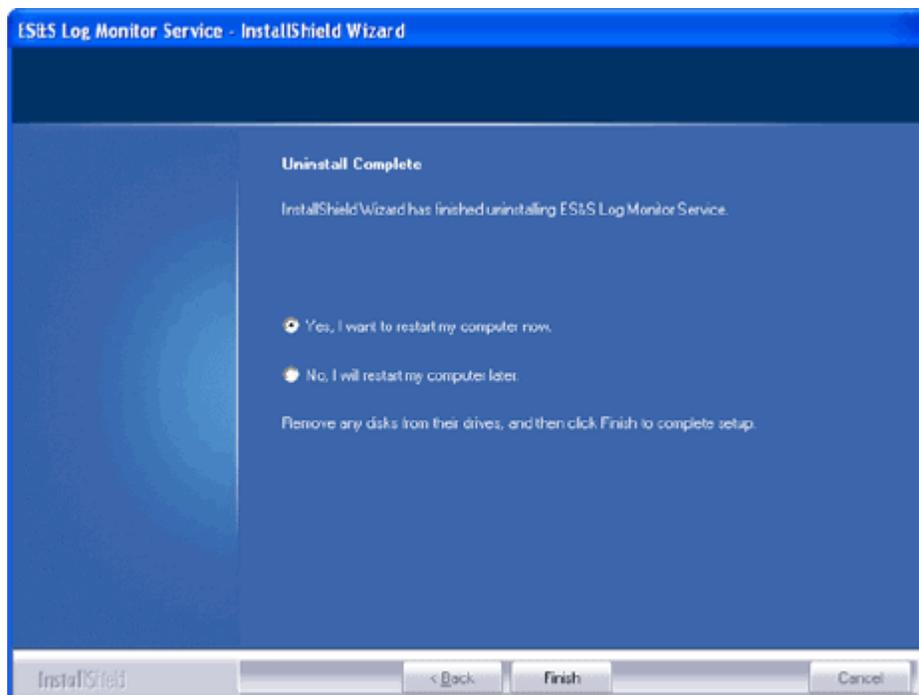
2. Double click on the LogMonitor.exe.



3. Click **Yes** to uninstall the current version.

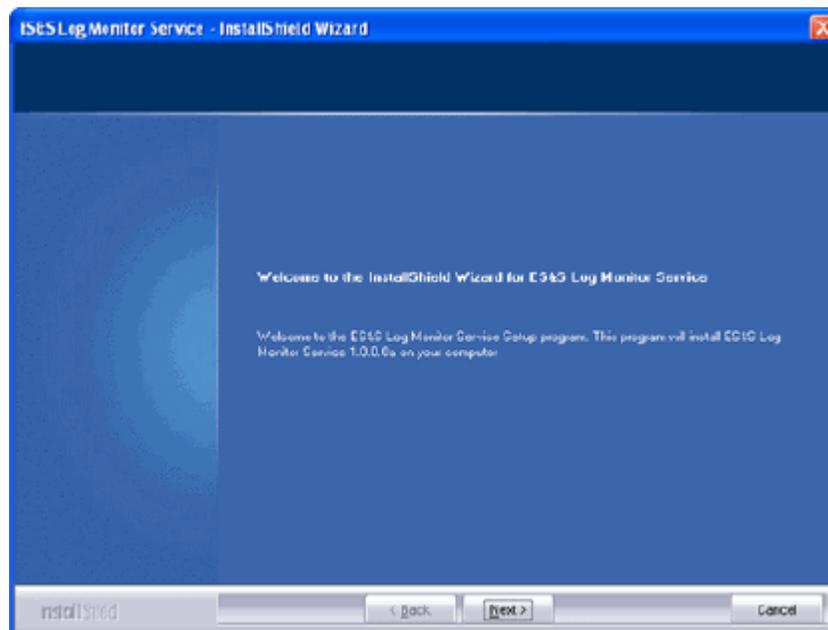


4. Another window will appear verifying that the Uninstall is complete. Click **Finish** to complete the uninstall.

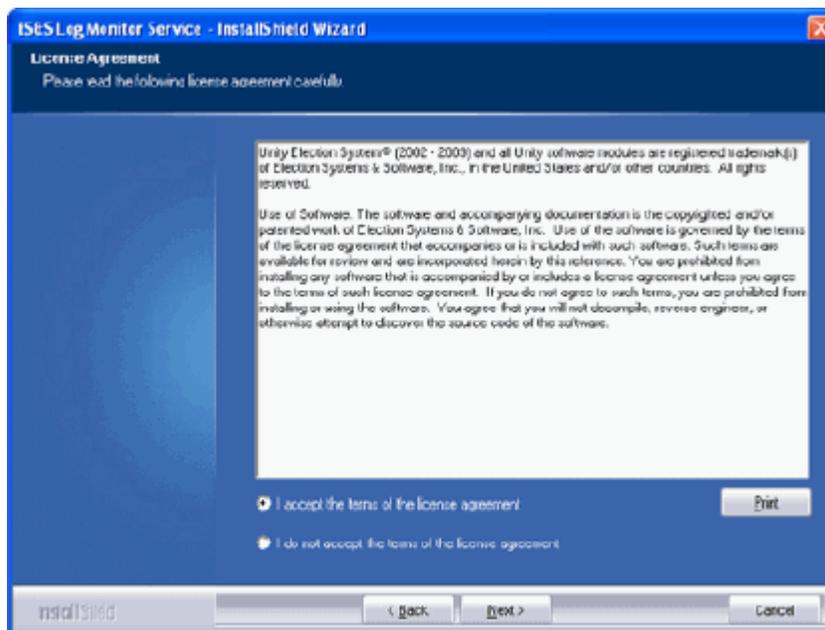


5. A different dialog may display if a reboot is required. A reboot is not required in most cases. If you need to restart the computer, the above screen will appear. Click on the radio button for **Yes, I want to restart my computer now**, then click **Finish**.

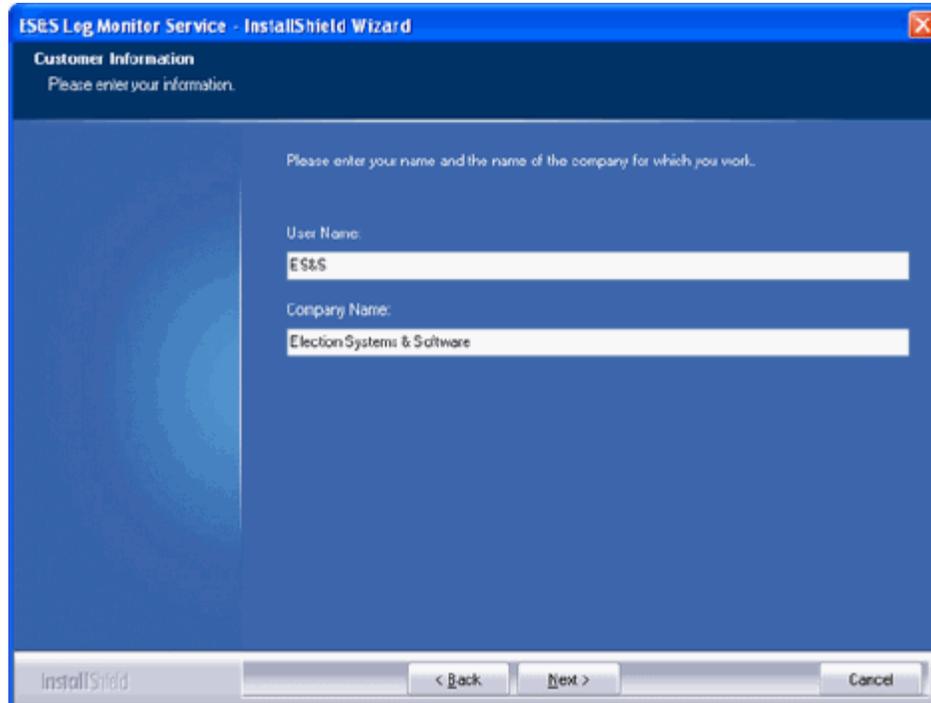
6. Double click on the LogMonitor Setup.exe to start the installation.



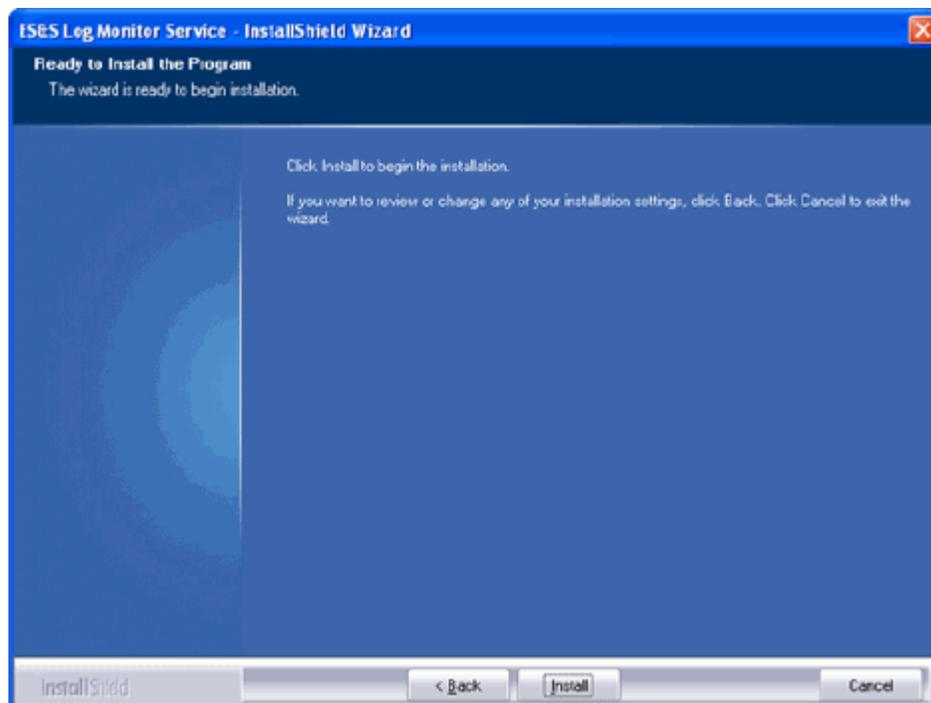
7. Click **Next** to proceed.



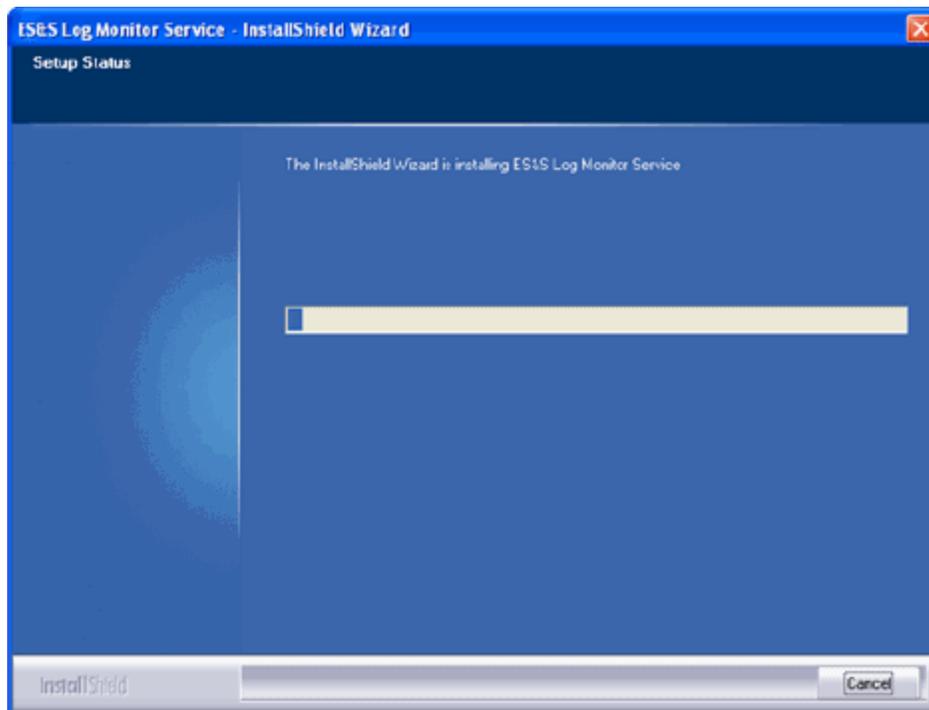
8. Select the radio button that states to accept the terms of the license agreement, then click **Next**.



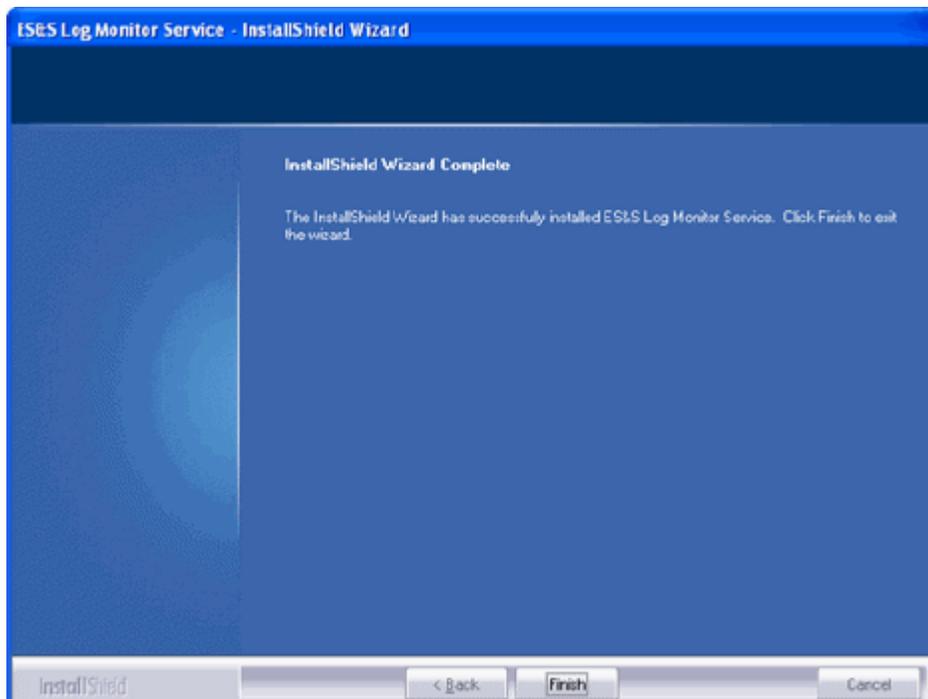
9. Enter the **User Name** and **Company Name** for the Event Logging Service, then click **Next**.



10. Click **Install** to proceed with the installation. A status window will appear showing the progress of the installation.



11. Click **Cancel** if for any reason you need to cancel this installation. Otherwise wait until the following screen appears.



12. Click **Finish** to complete the LogMonitor installation.



**NOTE:** A different dialog may display if a reboot is required, a reboot is not required in most cases. If you need to restart the computer, click on the radio button for **Yes, I want to restart my computer now**, then click **Finish**.

## Valid Application Names

- Election Data Manager
- ES&S Image Manager
- Audit Manager
- AutoMark Information Management Systems
- Election Reporting Manager
- Hardware Programming Manager

## Revision History

### LogMonitor v. 1.0.0.0 August 28, 2009

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	Initial Document	

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