

PHMSA Alarm Management Compliance Is Easy With LogMate®



What is the PHMSA Rule?

The Pipeline and Hazardous Materials Safety Administration (PHMSA) recently published the final rule: *Pipeline Safety: Control Room Management/Human Factors*. Alarm management is a key component of the rule and the easiest to address. LogMate helps meet the alarm management requirements, is installed and configured quickly, and has a very low cost of ownership.

Functions Required for Compliance

Effective February 1, 2010, the PHMSA rule will require compliance with the following alarm management functions (taken directly from the rule):

Each operator using a SCADA system must have a written alarm management plan to provide for effective controller response to alarms. An operator's plan must include provisions to:

- (1) Review SCADA safety-related alarm operations using a process that ensures alarms are accurate and support safe pipeline operations;*
- (2) Identify at least once each calendar month points affecting safety that have been taken off scan in the SCADA host, have had alarms inhibited, generated false alarms, or that have had forced or manual values for periods of time exceeding that required for associated maintenance or operating activities;*
- (3) Verify the correct safety-related alarm set-point values and alarm descriptions at least once each calendar year, but at intervals not to exceed 15 months;*
- (4) Review the alarm management plan required by this paragraph at least once each calendar year, but at intervals not exceeding 15 months, to determine the effectiveness of the plan;*
- (5) Monitor the content and volume of general activity being directed to and required of each controller at least once each calendar year, but at intervals not to exceed 15 months, that will assure controllers have sufficient time to analyze and react to incoming alarms; and*
- (6) Address deficiencies identified through the implementation.*

LogMate Makes it Easy

LogMate is the easiest alarm management solution to implement and manage. This do-it-yourself tool is easier than writing custom programs and more straight forward than solutions that require costly services contracts. Alarm management is made easier, providing controllers, engineers, SCADA specialists and operations supervisors the tools and reports needed to comply with PHMSA requirements and more. TIPS Inc. has been in the alarm management business for more than 20 years with experience implementing LogMate in global pipeline applications. Working on your compliance plan? Get alarm management out of the way so you can focus on the more complicated requirements.

Regulatory Readiness Out Of The Box

Right out of the box, LogMate can be used for PHMSA alarm management compliance. It is easy to get up and running and does not require any additional, or custom, code to deliver alarm management functionality.

Easiest Solution to Install and Configure

No other solution can be installed, configured, and fully functional in only three days. The ease with which LogMate installs and collects data saves considerable services cost and valuable operations time.

Connects To Any System

LogMate can connect to virtually any SCADA system. Furthermore, as part of a strategic partnership with Telvent, OASyS DNA provides an integrated solution with LogMate.

Lowest Total Cost of Ownership

Starting at \$30,000, LogMate delivers alarm management functionality and connects to virtually any SCADA system within three days. Its thin-client architecture results in a lower maintenance cost through streamlined upgrades.

LogMate is the full-featured alarm management software that makes compliance with new PHMSA alarm management requirements easy.

More Information

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Overview

LogMate equips your company with a complete suite of alarm management tools. The suite is modular, allowing the installation to be customized for a specific need or site layout. All user access is through a standard Internet Explorer[®] web browser, allowing safe and secure access to LogMate resources from any connected computer.

Modular Design

LogMate consists of three major components:

Capture: data collection

Microsoft[®] SQL Server[®]: data archival and processing

LogMate Web Services: thin-client interface

All three LogMate components can be installed together on a single computer or they can be distributed across two or more.

The LogMate Web Services component consists of several modules to allow flexibility in access and system cost. Modules can be licensed independently and user access to each module can be controlled at the administrator level. LogMate modules include:

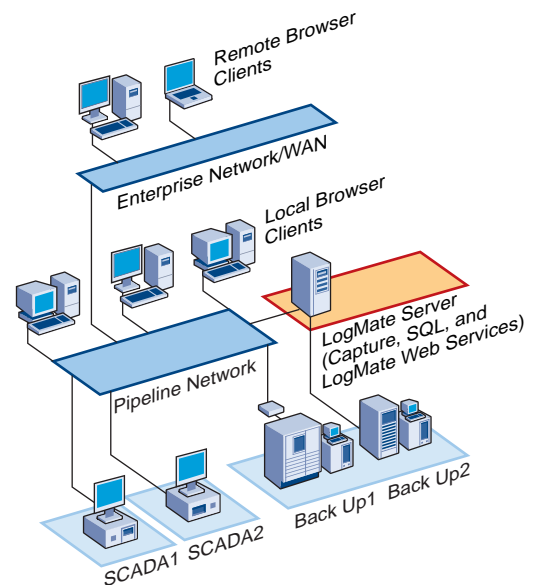
netView: Grid style display of alarm and event data. Includes the ability to notate comments on events.

ACE: Alarm analysis and engineering design tools. Enables the ability to link to operating procedures and archive controller knowledge.

TRAC: Alarm KPI trending and historian integration. Activates a two-way link with SQL Server Reporting Services, a powerful report building system.

Signal: Notification agent. Monitors LogMate data and triggers alerts and reports based on event activity and KPI targets.

LogMate Architecture



LogMateAMS can be installed on a single computer as shown above or components can be separated and installed on different computers to allow for site needs or security policies.