



WDMS – Wheel Data Management System

Wheel Data Management System

Keeping You Informed

L.B. Foster's **Wheel Data Management System (WDMS)** is a custom web-based application that allows subscribers to review train data and configure and manage alerts from any **MK-IV WILD data**. The application is available anywhere there is an internet connection.



PRODUCT FEATURES

Reports & Alarms

Data & Analytics

Site Health

Each time a train is measured by a WILD system, a report is generated listing all measured train weights, impacts, lateral forces, and hunting data.

Through the **Thresholds** page, the value for alarm parameters can be configured. Users may designate personnel to automatically receive alerts when certain alarms are generated, and multiple thresholds may be set for each parameter to classify the severity of alarms.

Users can **browse recent trains** to see every measured train consist on their network in reverse chronological order. In addition to the measured data, reports indicate the site, location, train speed, train direction, and vehicle

Every train report contains a table of data for each vehicle, listing all measured parameters for every axle.

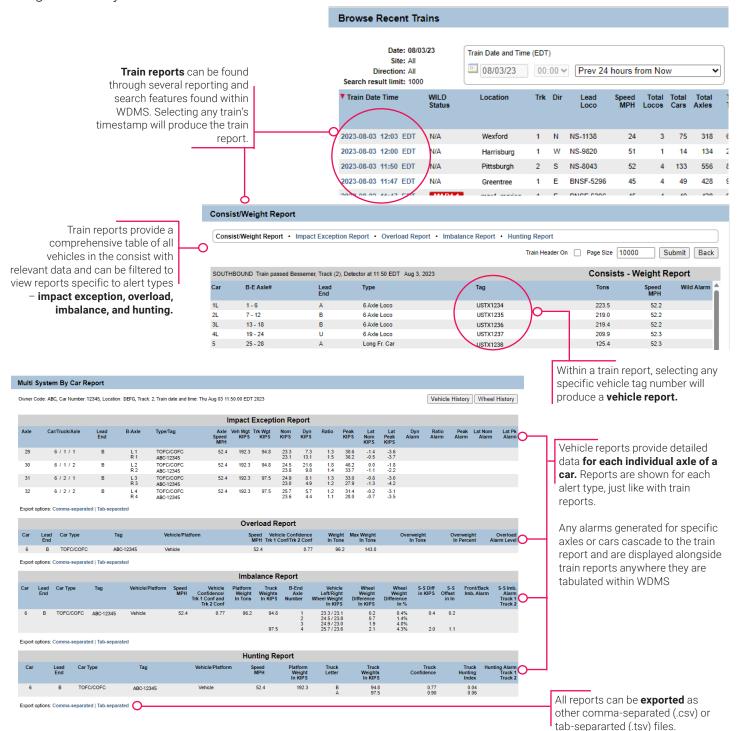
information.

Historical performance for any train, vehicle, or wheel may be filtered through the vehicle history, wheel history, and train search pages. Each MK-IV WILD system listed in WMDS is equipped with a **graphical interface** which provides a real-time overview of the health status of all major components. Hovering over any component will provide information on the nature of any issue as well as recommendations for troubleshooting.

Every report generated by MK-IV WILD sites also captures a time-stamped **health status overview**, allowing users to review any issues that may have been present at the time of an alarm.

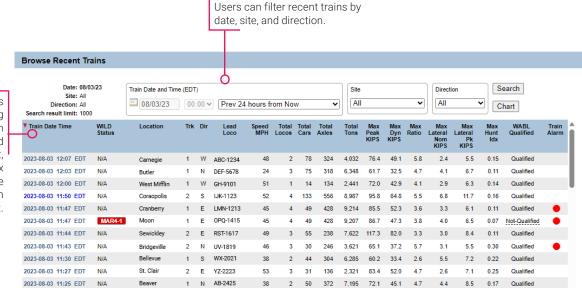
Wheel Data Management System Train & Vehicle Reports

When a train is detected by a WILD system, a report is automatically generated and added to WDMS. Train reports may be found by reviewing browsing recent trains, reviewing daily or statistical reports, or by using the history and search functions.



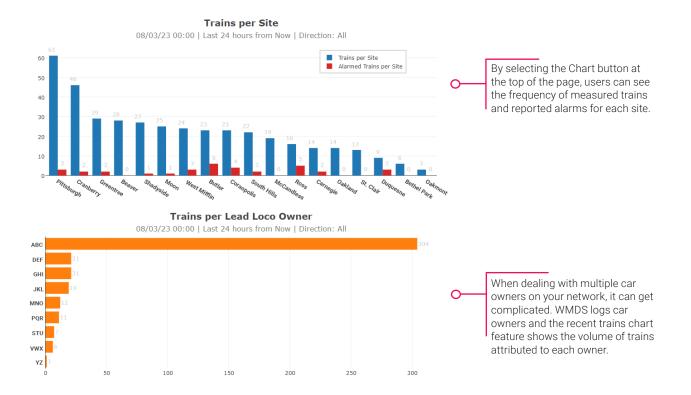
Wheel Data Management System

Browse Recent Trains



All detected train consists for the day are automatically displayed.

The Browse Recent Trains page provides a table listing all pertinent information including the time and location of the measurement, speed and direction, max measurements for alarmable parameters, and the alarm status of the report.



Wheel Data Management System

Vehicle & Wheel History

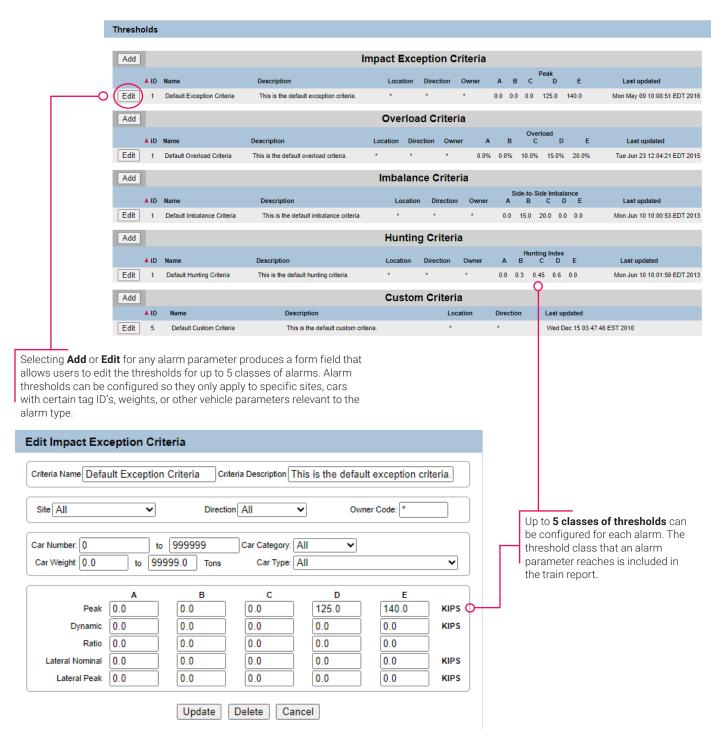


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Configuring Alarms

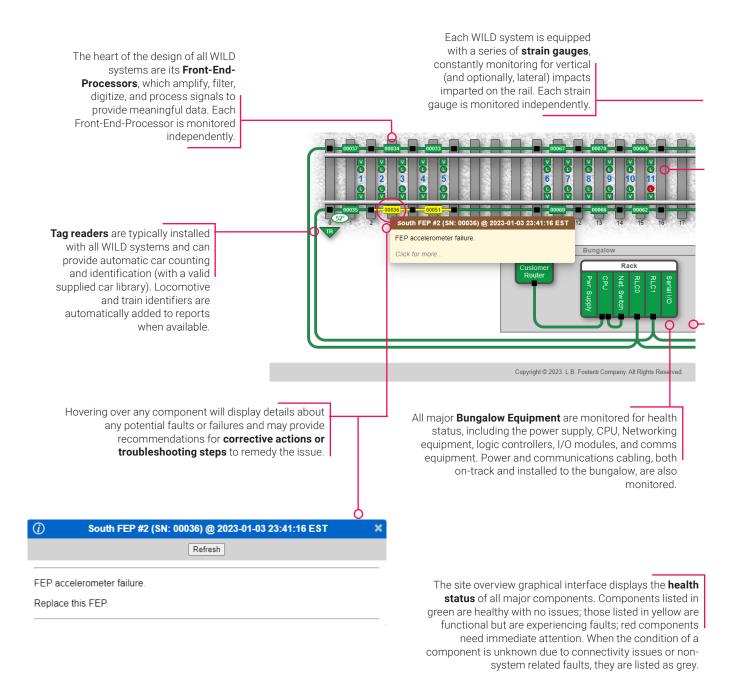
On the **Threadholds** page, users can configure thresholds for each type of alarm parameter. Users can also add custom alarms for other parameters provided by WILD train reports. Alerts for alarms can be transmitted via **FTP or email** to a list of designated recipients.



Wheel Data Management System

Site Health Status

Review the health status of all major WILD site components in real-time, with built-in troubleshooting and diagnostics recommendations.





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