

Equipment Health Management System Overview

Jackson Duckworth
Product Support Specialist I

June 2025

Agenda



- **What is EHMS?**
- How does EHMS work?
- What are the different alert types and alert levels?
- Walkthrough of EHMS
 - Permissions & Accessing EHMS
 - Querying Cars
 - Closing Alerts
 - Reporting ABT
- EHMS Notifications Portal Overview
- Related Tools
- Helpful Tips
- Reference Links

Legal Disclaimer: Any actions taken in reliance on or pursuant to this webinar are subject to Railinc's Terms of Use, as set forth in <https://public.railinc.com/terms-use>, and all AAR rules.

What is EHMS?



Detector Network

EHMS receives and processes over 36 million train passes per year from a network of roughly 10,000 wayside detectors across North America.



Equipment Repairs

EHMS allows car owners, railroads, and equipment maintenance providers to report equipment repairs and view repair histories.



Data Security

As a trusted steward of industry data, Railinc secures all applications, including EHMS, to allow access to only authorized users.



Safety & Efficiency

EHMS enhances safety and asset utilization by enabling proactive repairs, damage prevention, and data-driven trend analysis.

Why use EHMS?



- Alert and repair information is contained for all equipment types (excluding containers and trailers).
- A repository for WILD calibration records (per AAR Field Manual Appendix F).
- EHMS was developed to support the Equipment Health Management Committee (EHMC) and is helpful to ensure:
 - Safety
 - Damage Prevention
 - Maintenance Opportunities
 - Repair History
 - Reduce costly repairs

What AAR Rules apply to EHMS?



EHMS Alerts by Component Type

Field Manual of the AAR
Interchange Rules

	ABT	AEI	Bearing	Truck	Wheel	Wheelset
Rule 3	<u>LORFAHS,</u> <u>LORFNCF</u>					
Rule 36			<u>ABD, HBD,</u> <u>HBD WILD,</u> <u>HBD ABD</u>			
Rule 41					<u>WILD</u> , <i>WILD_WPD,</i> <i>WPDWHEEL,</i> <i>WTDC</i>	
Rule 44						<u>WILD</u>
Rule 46				THD		
Rule 63		<u>AEIMISMATCH,</u> <u>AEITAG,</u> <i>AEIUMLER</i>				
Rule 90			<u>HBD TRND</u>			

Mandatory
AAR A1
AAR A2
Window
Open

Agenda



- What is EHMS?
- **How does EHMS work?**
- What are the different alert types and alert levels?
- Walkthrough of EHMS
- EHMS Notifications Portal Overview
- Related Tools
- Helpful Tips
- Reference Links

Essential EHMS Workflows



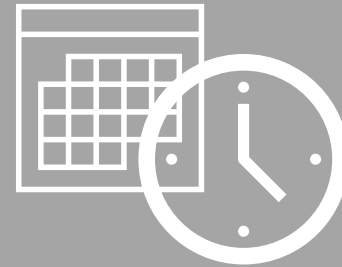
Detector Reads

Information from wayside detectors are sent to Railinc's EHMS platform for evaluation and validation.



Data Summaries

Detector Reads within set thresholds create or update Data Summaries, providing a longer-term view of measurements.



EHMS Events

Detector read(s) that meet alert thresholds as defined by AAR Committees are recorded in EHMS as Events.



EHMS Alerts

EHMS opens a new alert only when thresholds are met for a unique alert type, car, and component location combination.

Agenda



- What is EHMS?
- How does EHMS work?
- **What are the different alert types and alert levels?**
- Walkthrough of EHMS
- EHMS Notifications Portal Overview
- Related Tools
- Helpful Tips
- Reference Links

EHMS Alert Levels



W Window Open (W)

This lowest-level alert advises that some degradation has started. An alert at this level is primarily a notice to the car owner/operator that a potential problem exists on the car and to allow the car owner to get the car into the shop of their choice.

A2 AAR A2 (O)

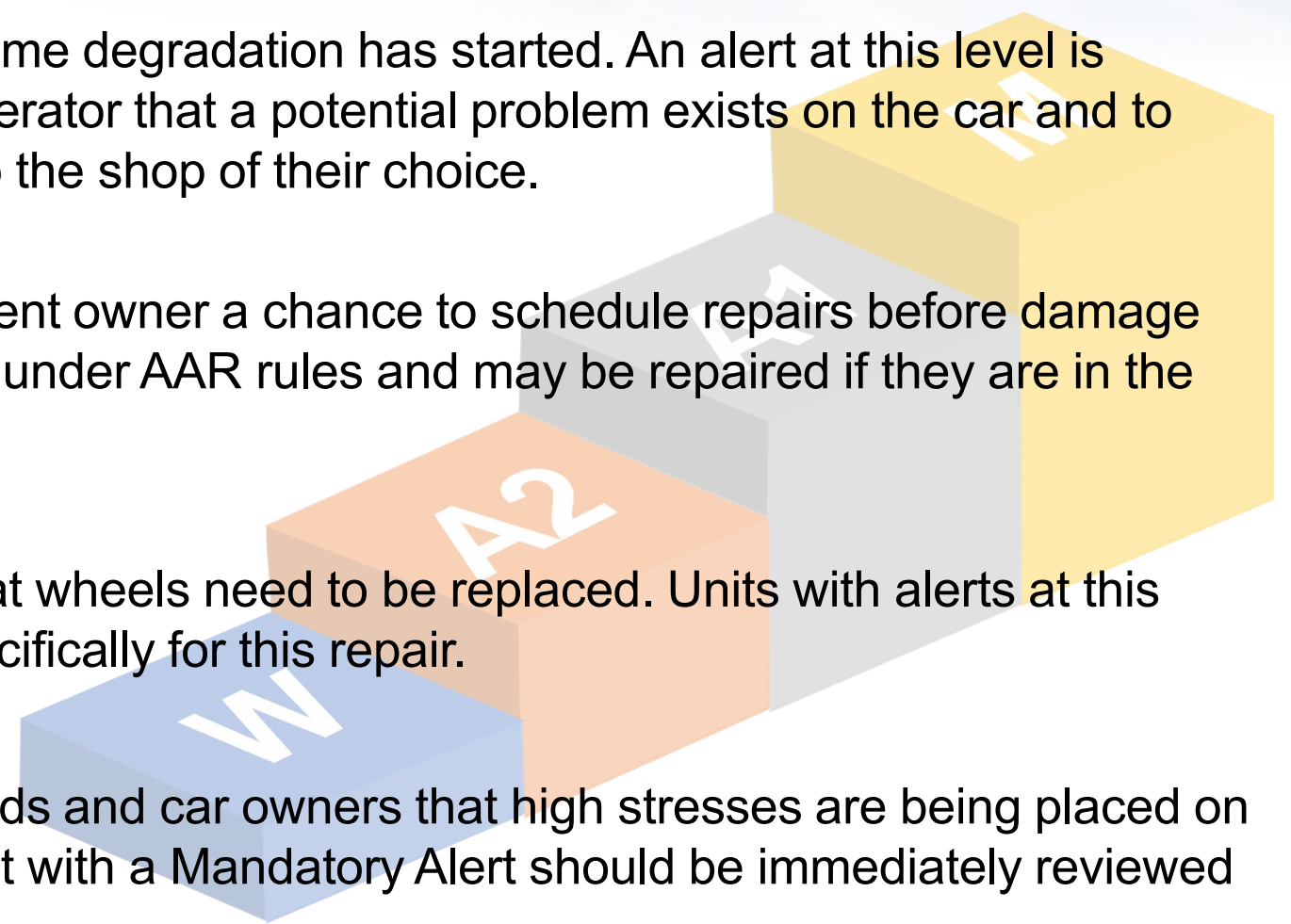
This mid-level alert offers the equipment owner a chance to schedule repairs before damage starts. Units with an AAR A2 level fall under AAR rules and may be repaired if they are in the shop for any other reason.

A1 AAR A1 (C)

This high-level alert notifies shops that wheels need to be replaced. Units with alerts at this level may be pulled into the shop specifically for this repair.

M Mandatory (M)

This severe-level alert advises railroads and car owners that high stresses are being placed on rails requiring immediate action. A unit with a Mandatory Alert should be immediately reviewed by a shop and repaired.



Acoustic Bearing Detector (ABD)



- **ABD alerts** (A1) are opened from detectors that measure defects by using microphones to listen to the wheel bearing noise levels. The readings must be from validated detectors to ensure that the alerts accurately reflect the condition of the bearing in question and identify cup, cone, roller, or a large area spall defects.
- ABD Alerts can only be closed by reporting a repair.
- Data from validated and non-validated detectors are used to create the **Acoustic Bearing Combined Data Summary**. In the combined ABD data summary, a level 1 severity is always the most severe, regardless of the vendor.

Automatic Equipment Identification (AEI)



- AEI readers are equipped with RFI (radio frequency) technology to wirelessly identify tags on railroad equipment while enroute. EHMS uses AEI data to identify various issues with the tag and creates the AEI data summary. Identifying tag issues aids in improving AEI accuracy and wayside detector component identification.
 - **AEIMISMATCH** (A2) – Mismatched equipment information between left and right tags
 - **AEITAG** (A2) – The tag on left or right side of equipment was unable to be read and is presumed to be missing or no longer functional.
 - **AEIUMLER** (W) – Inconsistencies between AEI Train Pass and Umler registry

Hot Bearing Detector (HBD)



- HBD identify bearing issues by capturing the bearing temperature above ambient, using the variation of the temperature on the side of the train (Kt) and both sides of the equipment (Ke).
- There are no data summaries for HBDs.
- There are four HBD Alert Types defined by the MSRP F S-6001, Why Made (WM) Codes 51 and 52. All are opened at an AAR A1 level.
 - **HBD** (WM51)
 - **HBD_TRND** (WM51)
 - **HBD_ABD** (WM52)
 - **HBD_WILD** (WM52)

Line of Road Failure Air Hose Separation (LORFAHS) **RAILINC**

- A LORF Air Hose Separation event occurs when a train unexpectedly goes into emergency braking due to an air hose separating between two cars. In these cases, railroads report the cars involved in the separation.
- **LORFAHS** (W or A1) – An uncoupling of two air hoses at the gladhand not attributable to other causes (such as a train separation), 3 or more events within 12 months.

Line of Road Failure No Cause Found (LORFNCF)

- A LORF No Cause Found (NCF) event occurs when a train goes into emergency braking for an unknown reason not triggered by the operator. In these cases, the full train consist is sent to Railinc's E-Train system, where an algorithm calculates an index based on the car's history in similar events. A higher index suggests a greater likelihood the car has brake-related issues.
- **LORFNCF (A1)** – 3 or more counts of LORF NCF events within 90 days.

Truck Hunting Detector (THD)



- Truck Hunting is condition where the freight car's trucks exhibit a dynamic instability. This is measured through the lateral strain gages on the wheel impact load detectors. The lateral forces and their frequency of occurrence are combined into a unitless measure called Truck Hunting Index (HI).
- **THD (W)** – The hunting index is greater than or equal to 0.2
- **THD (A1)** – 1 reading at $\geq .5$ or 2 readings $\geq .35$ (in twelve months)

Wheel Impact Load Detector (WILD)



- WILD detectors measure vertical forces imparted by wheels on the rails. Vertical forces above nominal are typically due to wheel out-of-round (OOR) conditions. As the OOR section of the wheel rolls over the rail, it produces a higher impact force. WILD detectors report the forces in kips units – 1 Kip is 1,000 pounds of force.
- **WILD (W)** – >65 kips
- **WILD (A2)** – >80 kips
- **WILD (A1)** – >90 kips
- **WILD (M)** – >140 kips

Wheel Profile (WILD_WPD & WPDWHEEL)



- Wheel Profile Detectors are wayside systems that measure wheel profiles of moving trains using laser and optical scanning devices to take images of the flange, tread, etc.
- The goal of the WPD data summary is to get an aggregate view of these measurements. The data summary can be used to perform wheel trend analysis and determine wheel wear and condition. When worn beyond limits, the wheels can be scheduled for replacement.
- **WPDWHEEL (W)** – any Flange Height, Flange Thickness, Rim Thickness, or Hollow Tread measurement is out of the optimal range.
- **WILD_WPD (W)** – the Rim Thickness is very low and Max Dynamic is ≥ 50 kips

Wheel Temperature Detector – Cold (WTDC)



- HBDs are also utilized to measure the wheel temperature by pointing the detector in the direction of the wheel. Temperature readings are analyzed and evaluated to determine if a data summary should be opened. Currently, Brake Health data summaries do not close with a repair, inspection, or autoclose process.
- **WTDC (W)** - The Cold Wheel alert identifies wheels that are cold on a braking train more than 6 times. Brake Health Indicators (BHI) are tracked in the Brake Health data summaries (Car or Truck).

Agenda



- What is EHMS?
- How does EHMS work?
- What are the different alert types and alert levels?
- **Walkthrough of EHMS**
 - **Permissions & Accessing EHMS**
 - **Querying Cars**
 - **Closing Alerts**
 - **Reporting ABT**
- EHMS Notifications Portal Overview
- Related Tools
- Helpful Tips
- Reference Links

Request Permissions

- The User Services menu can be found on the right side of the Launch Pad.
- Click “View/Request Permissions.”



My Profile

Edit My Profile

Change Password

View/Request Permissions

Check Status of Permission Requests

Support Center

Request Application Access



ACTIVE ▾

Filter...
EHMS

EHMS

Request

The Equipment Health Management System (EHMS) supports the Advanced Technology Safety Initiative (ATSI). The purpose of EHMS is to proactively detect, report, and alert carriers, car owners and equipment maintenance providers of potential safety problems.

You can search for EHMS using the filter at the top of the screen or scroll down and find it in the alphabetical list of applications.

Available EHMS Roles



EHMS

The Equipment Health Management System (EHMS) supports the Advanced Technology Safety Initiative (ATSI). The purpose of EHMS is to proactively detect, report, and alert carriers, car owners and equipment maintenance providers of potential safety problems.

1 Select Roles ————— 2 Confirm ————— 3 Done

☐ EHMS Car Repair History (MARK required)

Allows user to view/report inspections or repairs in EHMS and EHV. This will also allow user to view historical information for your respective equipment.

☐ EHMS Generic Access (MARK required)

Allows users to view alert and data summary information to EHMS and EHV. This must be granted to view to view EHMS and EHV information.

☐ EHMS Road Admin (MARK required)

Company Administrator who will manage the assignment of EHMS related roles for their company. This user will receive emails for requested permissions for their respective company and must grant permission as determined by their respective company.

Which Roles to Request



EHMS

Request

The Equipment Health Management System (EHMS) supports the Advanced Technology Safety Initiative (ATSI). The purpose of EHMS is to proactively detect, report, and alert carriers, car owners and equipment maintenance providers of potential safety problems.

EHMS Car Repair History

RAIL

- RAILINC CORPORATION

07/09/2019

EHMS Generic Access

RAIL

- RAILINC CORPORATION

07/09/2019

Make sure to request these roles with your MARK!

After Approval – EHMS on Launch Pad



- Once your permission request has been approved, you can access the application through the Launchpad under 'My Applications.'



Home

My Applications

EHMS Notification

EHMS

Equipment Health View

EHMS Homepage



EHMS



Launch Pad ▼

Sign Out

[Home](#) [Alert Management ▼](#) [EHMS Query ▼](#) [Detector ▼](#) [Documentation ▼](#) [Equipment Health View](#)

Welcome

Equipment Health Management System (EHMS) takes advantage of the North American network of equipment defect detectors and other technologies to proactively detect, report, and alert carriers, car owners and equipment maintenance providers of potential safety problems. EHMS communicates this information so the carriers, car owners, and equipment maintenance providers can plan for the repair of the equipment before damage is done to the rail infrastructure or equipment.

News & Updates

EHMS and EHV Resources Available

Visit the [EHMS](#) or [EHV](#) resource pages for more information and resources.



[Legal Notices](#)

[Privacy Rights](#)

[Contact Us](#)

[Terms of Use](#)

Copyright 2025 Railing© All rights reserved

EHMS Query



| EHMS

[Home](#) | [Alert Management](#) | [EHMS Query](#) | [Detector](#) | [Documentation](#) | [Equipment Health View](#)

Welcome

Equipment Health Management

proactively detect, report, and alert carriers, car owners and equipment maintenance providers of potential safety prob

information so the carriers, car owners, and equipment maintenance providers can plan for the repair of the equipmen

infrastructure or equipment.

News & Updates

- Equipment Status
- Equipment History**
- Latest ABT
- Detector Reads

Equipment History Query



Equipment History Search

Equipment ID *

RAIL101

☒ Alert Type:

ABD
AEIMISMATCH
AEITAG
AEIUMLER

☐ Component Type:

Select

Date Range:

From Date To Date

Alert Level:

ATSI Window Open
AAR A2
AAR A1
ATSI Mandatory

Reporting System

All

Data Set:

☐ All ☒ Closures ☒ Alerts
☐ Detail Events
☐ Home Shop Dispositions ☐ EA Data
☐ Data Summaries

Report Format:

☐ Equipment View ☒ Event View

Train Date:

From Date To Date

Alert Status

All Alerts

Clear

Reset

Search

Equipment History Search Results



Alerts

Export

Total items: 33

Clear Filters

	Equipment ID	Alert Type	Open Date	Location	Alert Date	Alert Status	Closed Date	Alert Level	Opening Reason	Closing Reason	Reported Clos...	Reported Clos...	Close Alert
	RAIL-0000000101	WILD	03-26-2025	AXLE=01; SIDE=L	03-26-2025	OPEN		M	ALERT_EVENT				
	RAIL-0000000101	THD	09-11-2023	TRUCK=A	09-11-2023	OPEN		C	ALERT_EVENT				
	RAIL-0000000101	WILD	03-08-2023	AXLE=01; SIDE=L	03-08-2023	CLOSE	03-08-2023	M	ALERT_EVENT	INSPECTION	RAIL	03-08-2023 10:46	

Closures

Export

Total items: 45

Clear Filters

Equipm...	Event Date	Location	Performer	Reporter	SPLC	Closure Type	Job Code	Why Made Code	Insp. Reason	Insp. Type	Reported Tim...	Report System	Delete Closure
RAIL-0000000101	03-08-2023	AXLE=01; SIDE=L	RAIL	BSHXV01-RAIL	411700000	Inspection			MR	WILD	03-08-2023 10:46	CRH	
RAIL-0000000101	12-14-2022	AXLE=03	RAIL	JRSYSTEM-RAIL	411700000	Repair	3360	09			12-14-2022 09:16	WSR	
RAIL-0000000101	12-14-2022	AXLE=04	RAIL	JRSYSTEM-RAIL	411700000	Repair	3360	09			12-14-2022 09:17	WSR	

Alert Closure Reporting



Alert Closure Reporting

Notes

- Only an inspection can close a LORFNCF, THD, AEIUMLER, MVECOUPLER, MVFCOUPLER, TPDG or TPDL alert. Repairs do not close these alerts.
- An ME inspection will not close an alert.
- Submitting an ABT requires that the user have proper permissions within the Umler application.
- Component Tag ID should only be entered once per axle location and Equipment ID.

1	<input type="checkbox"/>	<input type="checkbox"/>	Equipment Initial *	Equipment Number *	Closure Made By *	Closure Rptd By	Closure Date *	SPLC *	<input type="checkbox"/>	ABT Performer	ABT Reporter	ABT Device
			RAIL	0000000101	RAIL	RAIL	05/13/2025	411657000				Select
			<input type="radio"/> Repair	<input type="radio"/> Non AAR Repair	<input checked="" type="radio"/> Inspection	Alert / Data Summary *	Reason *			Truck *		
						THD	MR Car inspected ret...	Explanation		A		

☐ Select All

Clear

Reset

Delete

+ Add

✓ Save

Alert Closure Successful



✓ Alert Closure(s) has been sucessfully added

✓ The closure record(s) reported was/were accepted into EHMS successfully
The closure record(s) reported closed 1 alerts

Alert Closure Reporting

1	<input type="checkbox"/>	<input type="checkbox"/>	Equipment Initial	Equipment Number	Closure Made By	Closure Rptd By	Closure Date	SPLC	<input type="checkbox"/>	ABT Performer	ABT Reporter	ABT Device	<input type="checkbox"/>
			RAIL	0000000101	RAIL	RAIL	05/13/2025	411657000				Select	
			Alert / Data Summary		Reason		Explanation		Truck				
			<input type="radio"/> Repair <input type="radio"/> Non AAR Repair <input checked="" type="radio"/> Inspection		THD		MR Car inspected ret...		A				

✕ Done ← Return to Search Results + Enter Additional Alert Closures

Closure Reporting Successful, No Alert Closed



✓ Alert Closure(s) has been successfully added

✓ The closure record(s) reported was/were accepted into EHMS successfully

! The closure record(s) reported closed 0 alerts

Alert Closure Reporting

1	<input type="checkbox"/>	<input type="checkbox"/>	Equipment Initial	Equipment Number	Closure Made By	Closure Rptd By	Closure Date	SPLC	<input type="checkbox"/>	ABT Performer	ABT Reporter	ABT Device
			RAIL	0000000101	RAIL	RAIL	05/13/2025	411657000				Select
			<input checked="" type="radio"/> Repair <input type="radio"/> Non AAR Repair <input type="radio"/> Inspection		Job Code	Why Made Code	Axle	Component Tag Id				
					3336		04					

✕ Done

← Return to Search Results

+ Enter Additional Alert Closures

Alert Closure Reporting Error



Alert Closure Reporting

Notes

- Only an inspection can close a LORFNCF, THD, AEIUMLER, MVECOUPLER, MVFCOUPLER, TPDG or TPDL alert. Repairs do not close these alerts.
- An ME inspection will not close an alert.
- Submitting an ABT requires that the user have proper permissions within the Umler application.
- Component Tag ID should only be entered once per axle location and Equipment ID.

1

Equipment Initial *

Equipment Number *

Closure Made By *

Closure Rptd By

Closure Date *

SPLC *

ABT Performer

ABT Reporter

ABT Device

RAIL

0000000101

RAIL

RAIL

05/13/2025

411657000

Select

Repair

Non AAR Repair

Inspection

Job Code *

Why Made Code

Axle *

0L

Component Tag Id

3336

The following errors need to be corrected before you proceed.

- WSVLD000313 - Invalid Component location.

Select All

Return to Search Results

Clear

Reset

Delete

Add

Save

Return to Equipment History Search Results



Alerts

Export

Total items: 33

Clear Filters

Equipment ID	Alert Type	Open Date	Location	Alert Date	Alert Status	Closed Date	Alert Level	Opening Reason	Closing Reason	Reported Clos...	Reported Clos...	Close Alert
RAIL-0000000101	WILD	03-26-2025	AXLE=01; SIDE=L	03-26-2025	CLOSE	05-13-2025	M	ALERT_EVENT	REPAIR	RAIL	05-13-2025 17:46	
RAIL-0000000101	THD	09-11-2023	TRUCK=A	09-11-2023	CLOSE	05-13-2025	C	ALERT_EVENT	INSPECTION	RAIL	05-13-2025 17:38	

Closures

Export

Total items: 48

Clear Filters

Equipm...	Event Date	Location	Performer	Reporter	SPLC	Closure Type	Job Code	Why Made Code	Insp. Reason	Insp. Type	Reported Tim...	Report System	Delete Closure
RAIL-0000000101	05-13-2025	TRUCK=A	RAIL		411657000	Inspection			MR	THD	05-13-2025 17:38	CRH	

EHMS Status Query



EHMS

Home

Alert Management ▾

EHMS Query ▾

Detector ▾

Documentation ▾

Equipment Health View

Welcome

Equipment Health Management

Equipment Health Management is the advantage of the North American network of equipment defect proactively detect, report, and alert carriers, car owners and equipment maintenance providers of potential safety problem information so the carriers, car owners, and equipment maintenance providers can plan for the repair of the equipment infrastructure or equipment.

News & Updates

Equipment Status

Equipment History

Latest ABT

Detector Reads ▶

Equipment Status Query



Equipment Status

Equipment ID *

RAIL123

Date Range:

From Date

To Date

Clear

Reset

Search

Equipment Status Search Results



Alerts

Print

Export

Total items: 1

☒ Clear Filters

Equipment ID	Alert Type	Event Name	Event Name	Location	Home Shop	Date	Alert Level	Close Alert
RAIL-0000000123	MVFCOUPLER	GT_TWO_MIS_FAS4	GT_TWO_MIS_FAS4	COUPLER A	No	04-21-2020 13:54	ATSI Window Open	

30

100

500

1000

5000

Data Summaries

Print

Export

Total items: 0

☐ Clear Filters

Equipment ID	Data Summary Type	Owner	Location	Report View	Earliest Open Date	Latest Event Date	Report Repair / Inspection	Opened In Error
--------------	-------------------	-------	----------	-------------	--------------------	-------------------	----------------------------	-----------------

Agenda



- What is EHMS?
- How does EHMS work?
- What are the different alert types and alert levels?
- Walkthrough of EHMS
- **EHMS Notifications Portal Overview**
- Related Tools
- Helpful Tips
- Reference Links

EHMS Notifications Overview



- EHMS Notifications inform subscribers of changes in the health of equipment on a schedule that you select. This message process provides alert and data summary information on equipment.
- Available EHMS Notification delivery methods:
 - IBM MQ (IBM Message Queue)
 - FTP (File Transfer Protocol)
 - Email

How To Access



- To access the EHMS Notification application, you will need these permissions:
 - EHMS Generic Access (MARK required)
 - EHMS Notification User (MARK required)

EHMS

The Equipment Health Management System (EHMS) supports the Advanced Technology Safety I and alert carriers, car owners and equipment maintenance providers of potential safety problems.

EHMS Generic Access

RAIL - RAILINC CORPORATION

EHMS Notification

EHMS notification subscriptions help inform of changes in the health of the equipment that you are

EHMS Notification Admin

RAIL - RAILINC CORPORATION

EHMS Notification User

RAIL - RAILINC CORPORATION

EHMS Notifications Portlet



EHMS Notification



Launch Pad ▼

Sign Out

Home Notifications ▼ Go to EHMS Documentation ▼ Admin ▼

Welcome

EHMS Notifications / Subscriptions option allows subscribers to receive data related to open and closed alerts. This is utilized mostly by customer systems and is a flat file format.

Please visit the [Railinc's Price List](#) for additional fees associated with the service option.

If you are looking to subscribe to EHMS Notifications, navigate to [Maintain Subscriptions](#) and select Request.

My Subscriptions



- Request personal subscription by Email delivery method only
- Activate or inactivate personal subscription
- User Subscription Requests are reviewed by Notification Admin

Company Subscriptions

My Subscriptions

Delivery Configuration

Equipment Population

Total items: 3

✕ Clear Filters

Company Mark	Event	Message Type	Data Level	Transport	Format	Time	Population	Active
RAIL	AEIUMLER	Open Events	Summary	EMAIL	Flat Record v2006.1	Immediate	All Equipment	No
RAIL	ALL_ALERTS	All Events	Summary	Message Queue	XML v2007.1	Every Hour	Equipment Range	Yes
RAIL	WILD_WPD	Open Event	Detailed	File Transfer Protocol	Flat Record v2007.1	Everyday	Equipment Marks	No

Page Size: 10

1 to 3 of 3

<< < Page 1 of 1 > >>

Inactivate

Activate

Request

Agenda



- What is EHMS?
- How does EHMS work?
- What are the different alert types and alert levels?
- Walkthrough of EHMS
- EHMS Notifications Portal Overview
- **Related Tools**
- Helpful Tips
- Reference Links

EHMS Services and System Integrations



EHMS Web and Repair Services

Utilizes a standard format for querying or reporting to EHMS and connects systems to Umler, EA, CRB, LMIS, EHMS, and CarLogix.

Equipment Advisory (EA)

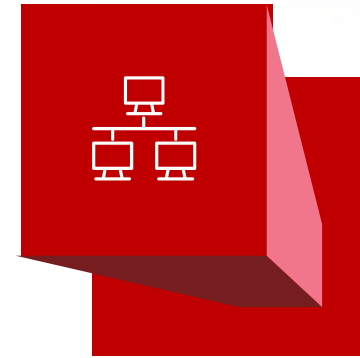
Allows authorized users to create and assign equipment to industry advisories, as well as report inspections, reports and query active advisories.

Damaged and Defective Car Tracking (DDCT)

Enables car owners and railroads to exchange information about damaged and defective freight cars for efficient disposition.

Equipment Health View (EHV)

A consolidated view of equipment health information from EHMS, Umler, DDCT and Equipment Advisory systems.



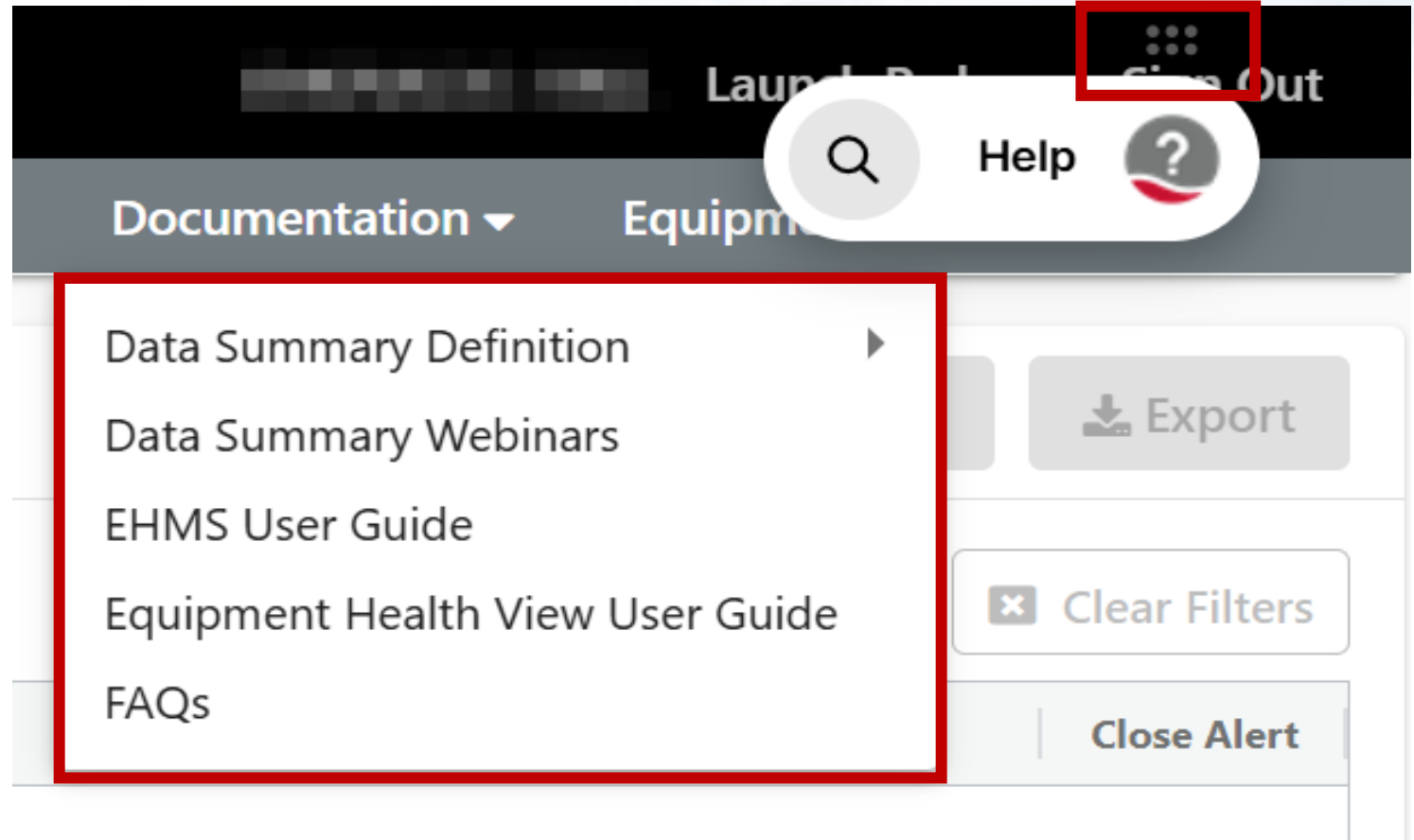
Agenda



- What is EHMS?
- How does EHMS work?
- What are the different alert types and alert levels?
- Walkthrough of EHMS
- EHMS Notifications Portal Overview
- Related Tools
- **Helpful Tips**
- **Reference Links**

Helpful Tips

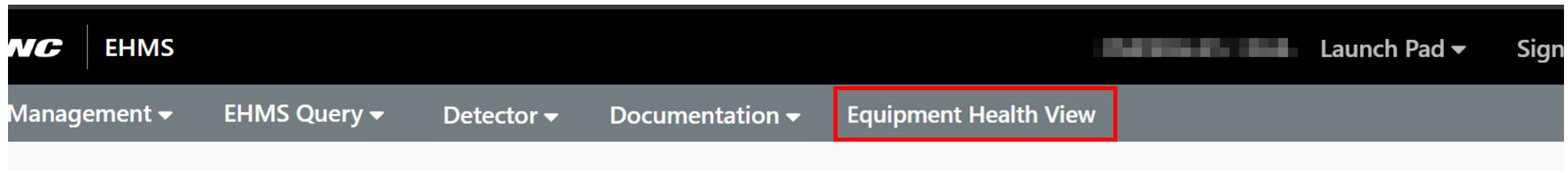
- Helpful documents are in the “Documentation” tab on the EHMS Menu.
- The Help widget can be moved anywhere on screen.
- You’re able to export your searched cars into Excel via the export button in Equipment History.



Helpful Tips



- You're able to query 500 cars at a time.
- You can access Equipment Health View (EHV) through the EHMS application menu.



Equipment Health Management System (EHMS) takes advantage of the North American network of equipment defect detectors and other technologies to detect, report, and alert carriers, car owners and equipment maintenance providers of potential safety problems. EHMS communicates this information to the carriers, car owners, and equipment maintenance providers so they can plan for the repair of the equipment before damage is done to the rail car or equipment.

Guides and References

- **Equipment Health Management System Product Page**

<https://public.railinc.com/products-services/equipment-health-management-system>

- **EHMS User Guide**

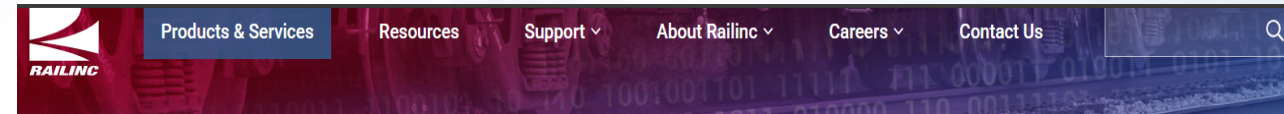
https://public.railinc.com/sites/default/files/documents/EHMS_UG.pdf

- **EHMS Notification Message Format**

<https://public.railinc.com/products-services/equipment-health-management-system>

- **Notification Flow Chart**

https://public.railinc.com/sites/default/files/documents/EHMS_NotificationFlowChart.pdf



[Home](#) > [Products & Services](#) > [Equipment Health Management System](#)

Equipment Health Management System

Railinc's Equipment Health Management System (EHMS) communicates the condition of railroad equipment and sends alerts to the responsible parties when repairs are needed via a web-based application.

EHMS also enables car owners, railroads, and equipment maintenance providers to report equipment repairs and collect repair history data.

The system scrubs, stores, and distributes information about equipment to rail carriers, car owners, and other interested parties. The system generates alerts from wayside detectors and categorizes them as:

- Window open—advising that some degradation has started
- AAR A2—indicates equipment may be repaired if it is in a shop for any other reason
- AAR A1—indicates equipment may be pulled into a shop specifically for this repair
- Mandatory alert—telling carriers and car owners that high stresses are being placed on rails, requiring immediate action

EHMS manages the communication of this information to all equipment owners and provides the mechanism for reporting repairs, completing the cycle.

[EHMS Demos](#)

EHMS User Group Site

The EHMS User Group Site contains a variety of relevant documents, including documentation for Web Services and Data Summary Definitions. Contact the [Railinc Customer Success Center \(CSC\)](#) to request access.

Related Support Documents

- [EHMS User Guide](#)
- [EHMS Notification User Guide](#)
- [EHMS FAQs](#)
- [EHMS Notification Flow Chart](#)

Upcoming Survey

• June 16th – June 30th



RAILINC | EHMS

Home Alert Management ▾ EHMS Query ▾ Notifications ▾ Detector ▾ Documentation ▾ Equipment Health View

Welcome

EHMS takes advantage of the North American network this information so the carriers, car owners and equipm

News & Updates

EHMS and EHV Resources Available
Visit the [EHMS](#) or [EHV](#) resource pages for more inform

Equipment Health Management System (EHMS) Customer Satisfaction Survey

We value your feedback. Railinc will donate \$1 to St. Jude Children's Research Hospital for every survey we receive.

Question 1*

How satisfied are you with the usability of EHMS?

☐ Very Satisfied

☐ Satisfied

☐ Neither Satisfied nor Dissatisfied

☐ Dissatisfied

☐ Very Dissatisfied

Question 2*

How satisfied are you with the reliability of EHMS?

Questions?

Railinc Keeps You Moving.

Jackson Duckworth
Product Support Specialist I
Phone: 877-RAILINC
Email: csc@railinc.com

