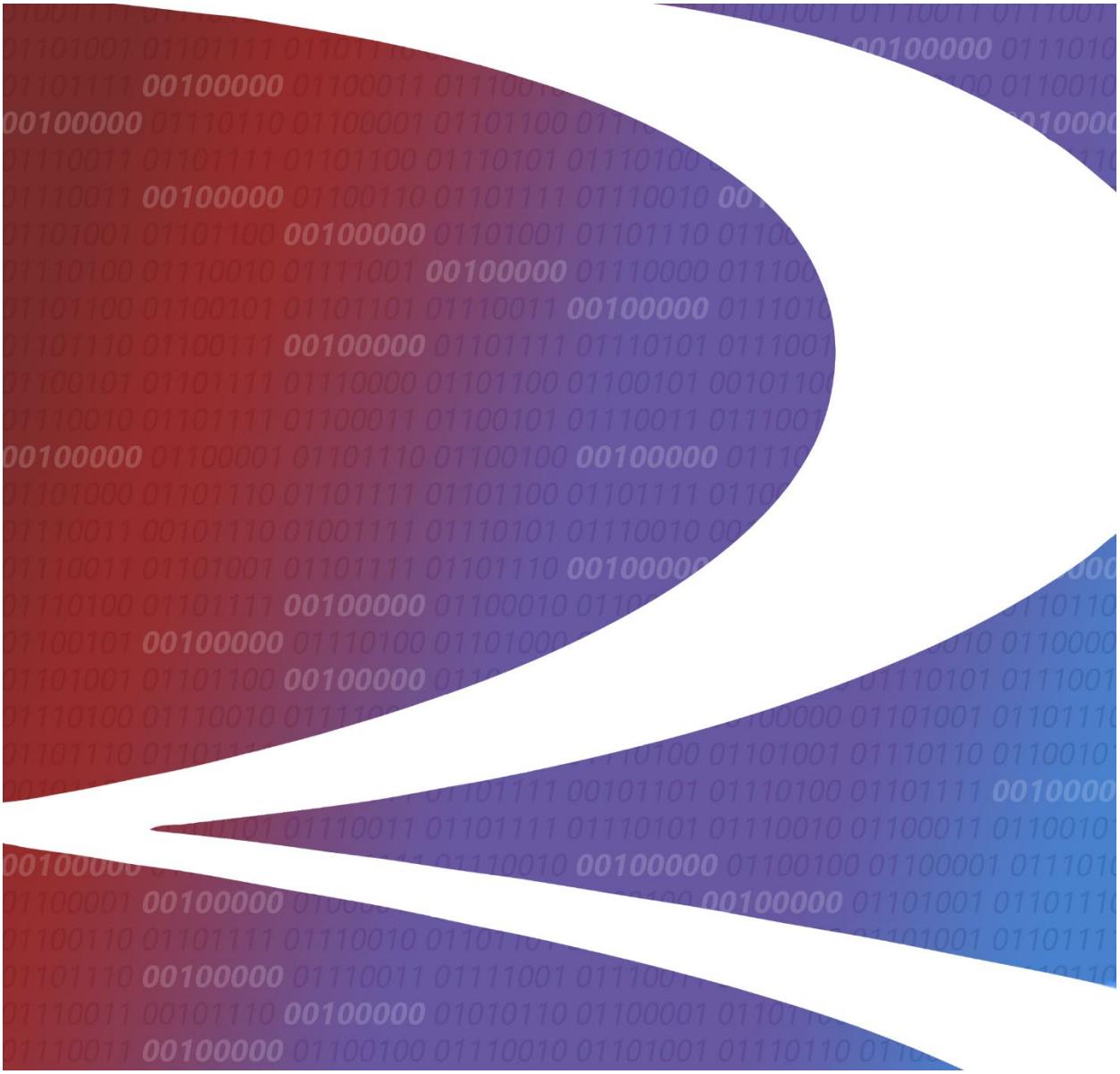


eABS Reporting Tool User Guide

Last Updated: March 2025

Table of Contents

List of Exhibits

Learning about the eABS Reporting Tool

This document describes how to use the eABS (electronic Air Brake Slip) Reporting Tool in the following major sections:

Menu Item	Function
Create Inspection	Creating an Inspection: Create new inspections by Manual Input and CSV Upload.
Manage Inspection	Managing Inspections – View, edit, or delete existing inspections.
Mileage Query	Querying Mileage – Query moving equipment to show number of miles before next inspection.

Overview

Electronic Air Brake System (eABS) Reporting Tool is a system developed by AAR's member railroads to track inspections and brake tests of freight cars. It combines Air Slip and Railinc Mileage data to provide real-time insights, including miles remaining before a required air brake test. eABS enhances traceability by recording critical details such as test date, time, location, number of inspected cars, and the identity of the qualified personnel conducting the test, improving documentation and visibility of brake system compliance.

System Requirements

For information about the system requirements of Railinc web applications and for information about downloading compatible web browsers and file viewers, refer to the *Railinc UI Dictionary*.

Accessing the Railinc Customer Success Center

The Railinc Customer Success Center provides reliable and timely high-level support for Railinc customers. Representatives are available to answer calls and respond to emails from 7:00 a.m. to 7:00 p.m. Eastern time, Monday through Friday, and provide on-call support via pager for all other hours to ensure support 24 hours a day, 7 days a week. Contact us toll-free by phone at 877- RAILINC (1-877-724-5462) or send an email directly to csc@railinc.com.

Getting Started

To get started, go to the Railinc Portal at https://public.railinc.com and select the **Customer Login** in the top right corner. Enter your user ID and password in the fields and select **Sign In**.

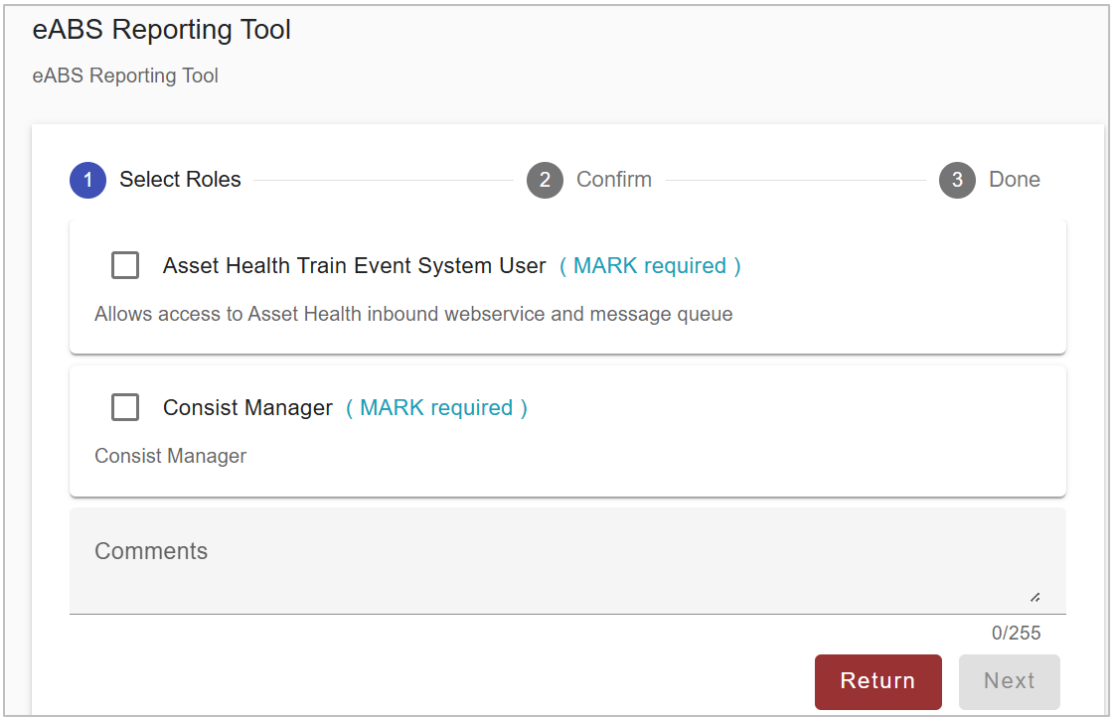
If you do not already have a Railinc SSO user ID and password, refer to the *Railinc Single Sign-On User Guide*. Once you have access to Railinc SSO, you must request access to the eABS Reporting Tool within SSO.

If you do not have access to the eABS Reporting Tool, request access by following instructions in the *Railinc Single Sign-On User Guide*. See Learning about User Roles below for information about the available levels of access. When you have received an email notification confirming your access, you can login and begin using the eABS Reporting Tool.

Learning about User Roles

Your assigned user role determines what functions you can perform. User roles are assigned by Railinc or by your company administrator through the Single Sign-On interface.

Exhibit 1. SSO Request Permission



The following user roles can be assigned to users of the eABS Reporting Tool:

- **Asset Health Train Event System User** – This role enables user reporting through the E-Train web service.
- **Consist Manager** – This role enables users to request mileage.

Logging In

To log into the eABS Reporting Tool:

1. Open your internet browser and enter https://public.railinc.com to open the Railinc website.
2. Select the Customer Login link in the upper right of the page. The Account Access page is displayed.
3. Enter your User ID and Password. Select **Sign in**. The Railinc Launch Pad is displayed.
4. Under My Applications, select **eABS Reporting Tool**. The eABS Reporting Tool Create Inspection (Home) page is displayed.

Logging Out

Select the **Sign Out** link to end an eABS Reporting Tool session and return to the SSO Login page.

Creating an Inspection

eABS provides two ways to create an inspection:

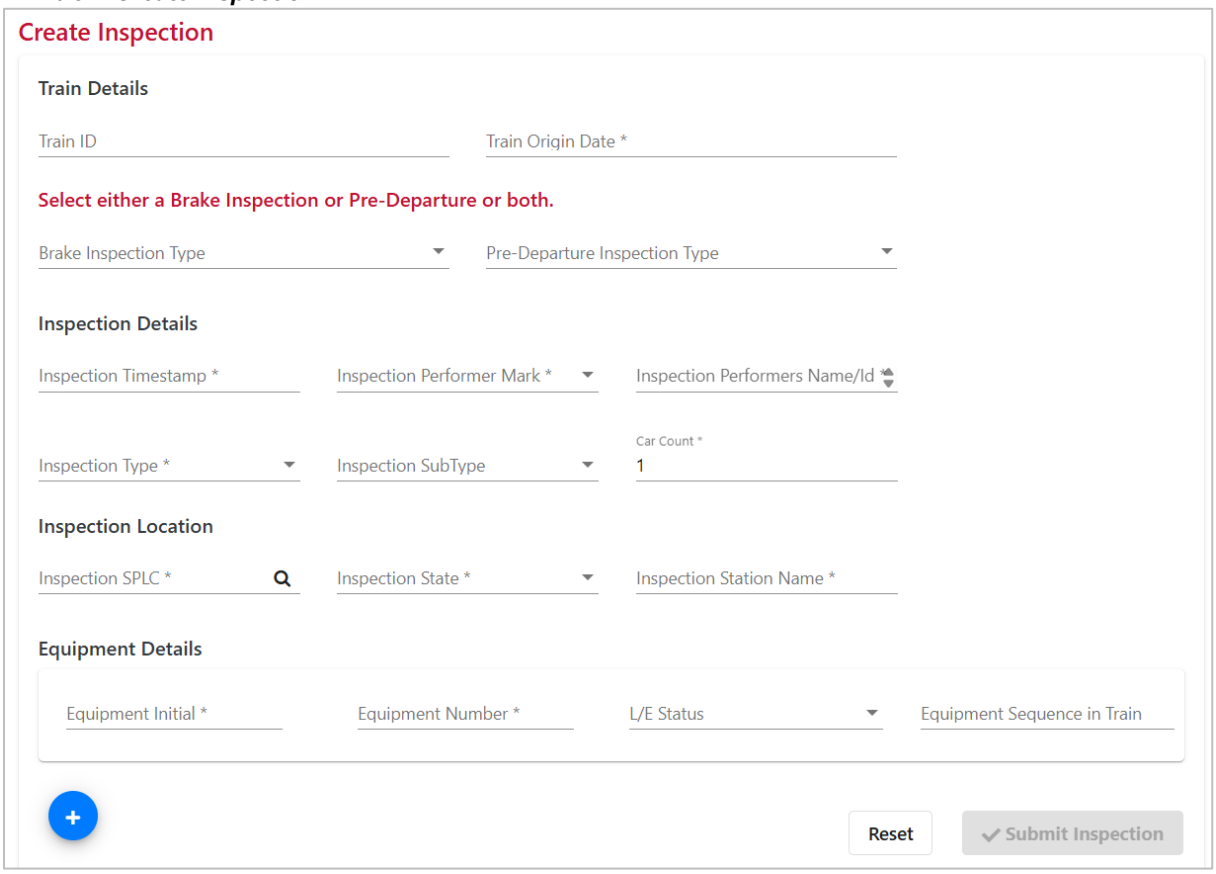
- Manual Input
- CSV Upload

Manual Input

Use the following procedure to create a manual input inspection:

1. From the main menu, select **Create Inspection** > **Manual Input**. The Create Inspection page is displayed.
2. Enter all required fields marked with an asterisk (*).

Exhibit 2. Create Inspection



3. **Train ID** will be unique to each railroad.
4. Enter the **Train Origin Date** by selecting the field and choosing the starting date.
5. Select a **Brake Inspection Type** or **Pre-Departure Inspection Type**, or both.

Brake Inspection Types[1] available in eABS:

- Class 1 (QMI/QP 1,000 miles)
- Class 1a (QMI/QP 1,000 miles)
- Class II (Intermediate Inspection)
- Class III (Trainline Continuity)
- Extended Haul (QMI/1,500 miles)
- Transfer Train (Shorter Trains 20 Miles)
- Class 1 Cycle Train (1,000 miles/3,000 miles)
- Class 1a Cycle Train (1000)
- ASCTD

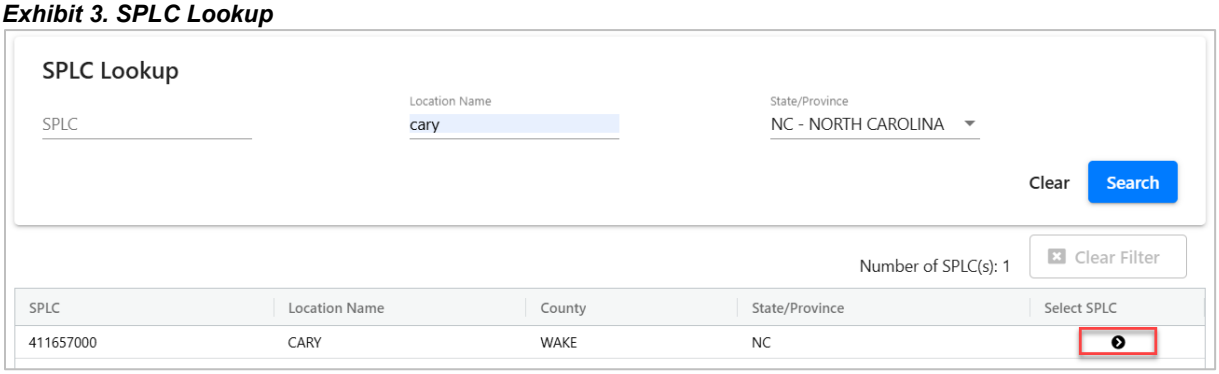
Pre-Departure Inspection Types[2]:

- Inbound Mechanical
- Outbound Mechanical
- TDTI
- Appendix D
- Shop/Expedite

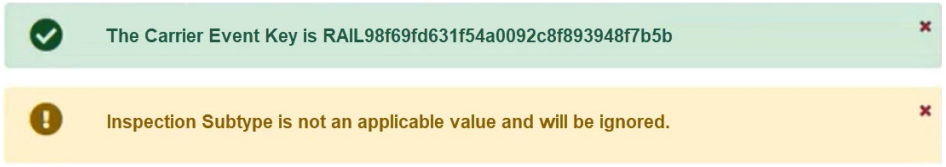
[1] https://www.ecfr.gov/current/title-49/subtitle-B/chapter-II/part-232/subpart-C/section-232.205
[2] https://www.ecfr.gov/current/title-49/subtitle-B/chapter-II/part-215/subpart-A/section-215.13

6. Enter the **Inspection SPLC**, or select the search icon at the right of the field to search for the SPLC. When searching for a SPLC, enter 4 digits or more in the **SPLC** field or enter a **Location Name** and/or select a **State/Providence**. Select **Search**. To choose a SPLC, select the arrow icon for the appropriate SPLC in the **Select SPLC** column (Exhibit 3) and the field will be populated with your selection.

Exhibit 3. SPLC Lookup



7. To clear out entered fields at anytime, select the **Reset** button.
8. You can add up to 200 inspections to submit together by selecting the + button at the bottom of the page.
9. Once all required fields have been entered, the Submit Inspection button will be activated. Select **Submit Inspection** to submit the inspection.
10. If the submission was successful, a green message appears at the top of the page with the Carrier Event Key for the inspection, as shown in the example below.



If a field is entered incorrectly, the inspection may still be created, but you will receive an informational message that says the field did not have an applicable value and will be ignored (as shown above). You have the ability to edit the inspection to update the field and resubmit it (see Managing Inspections).

CSV Upload

You have the option to upload up to 50 inspections with a CSV file. To use the CSV Upload, you must have a .CSV file with one or more inspections that is formatted as shown below to follow the *eABS Inspection CSV Template*:

Exhibit 4. Upload Example – Columns A thru P

	A	B	C	D	E
1	TRAIN_ID	TRAIN_ORIGIN_DATE	BRAKE_INSPECTION_TYPE	INSPECTION_TIMESTAMP	INSPECTION_PERFORMER_MARK
2	CSV0002CBWSTEST	2021-08-11	CLASS1	2021-08-11T06:30:50.916-05:01	NS
3	CSV0002CBWSTEST	2021-08-11	CLASS1	2021-08-11T06:30:50.916-05:01	NS
4	CSV0002CBWSTEST	2021-08-11	CLASS1	2021-08-11T06:30:50.916-05:01	NS
5	CSV0002CBWSTEST	2021-08-11	CLASS1	2021-08-11T06:30:50.916-05:01	NS
6	CSV0002CBWSTEST	2021-08-11	CLASS1	2021-08-11T06:30:50.916-05:01	NS
7	CSV0002CBWSTEST	2021-08-11	CLASS1	2021-08-11T06:30:50.916-05:01	NS
8	CSV0002CBWSTEST	2021-08-11	CLASS1	2021-08-11T06:30:50.916-05:01	NS

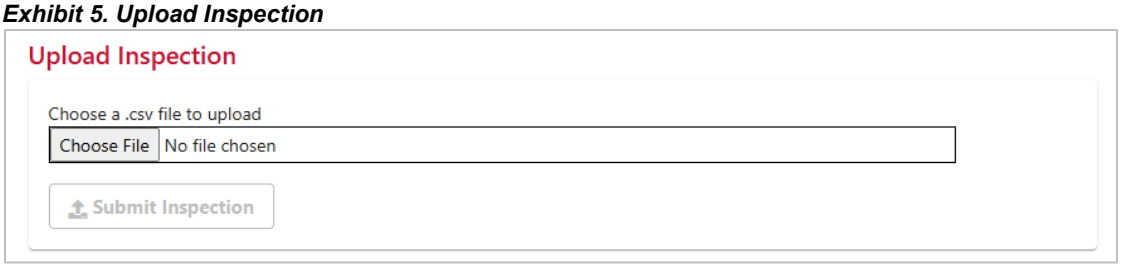
	F	G	H	I	J
1	INSPECTION_PERFORMER_IDS	INSPECTION_TYPE	INSPECTION_SUBTYPE	CAR_COUNT	INSPECTION_SPLC
2	Inspector1	MECHANICAL	ORIGIN	200	411657000
3	Inspector1	MECHANICAL	ORIGIN	200	411657000
4	Inspector1	MECHANICAL	ORIGIN	200	411657000
5	Inspector1	MECHANICAL	ORIGIN	200	411657000
6	Inspector1	MECHANICAL	ORIGIN	200	411657000
7	Inspector1	MECHANICAL	ORIGIN	200	411657000
8	Inspector1	MECHANICAL	ORIGIN	200	411657000

	K	L	M	N	O	P
1	INSPECTION_STATE	INSPECTION_STATION_NAME	EQUIPMENT_INITIAL	EQUIPMENT_NUMBER	LOAD_EMPTY_STATUS	EQUIPMENT_SEQUENCE
2	NC	CARY	NOKL	250133	L	1
3	NC	CARY	AOK	73321	L	2
4	NC	CARY	JBHU	253324	L	3
5	NC	CARY	TCNU	737163	L	4
6	NC	CARY	TTGX	995466	L	5
7	NC	CARY	BNSF	255818	L	6
8	NC	CARY	TTAX	653804	L	7

Use the following procedure to upload a CSV file to create inspections in eABS:

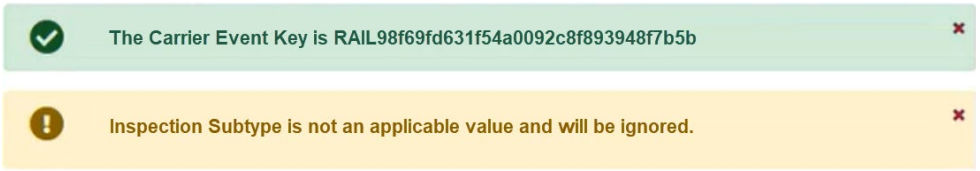
1. From the main menu, select **Create Inspection** > **Upload via CSV**. The Upload Inspection page is displayed.

Exhibit 5. Upload Inspection



2. Select **Choose File**, and select the file on your computer to upload. The name of the file appears next to the button once the file is chosen and the Submit Inspection button becomes active.

3. Select **Submit Inspection**.
4. If the submission was successful, a green message appears at the top of the page with the Carrier Event Key for the inspection, as shown in the example below.



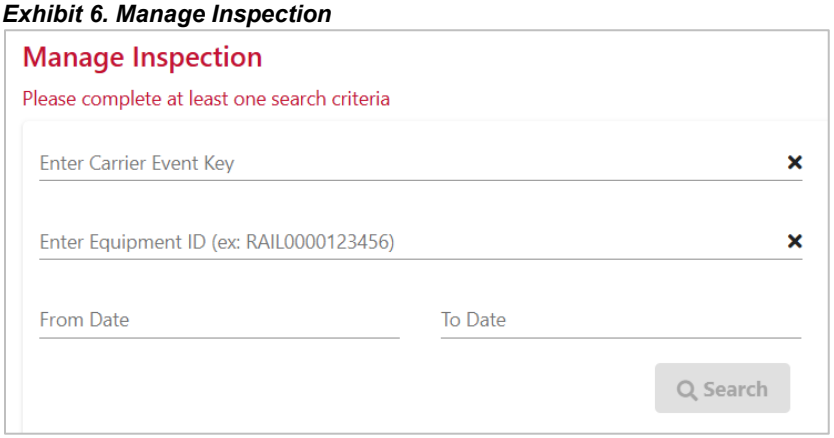
5. If a field is entered incorrectly, the inspection may still be created, but you will receive an informational message that says the field did not have an applicable value and will be ignored (as shown above). You have the ability to edit the inspection to update the field and resubmit it (see Managing Inspections).

Managing Inspections

Use the following procedure to manage existing inspections in eABS:

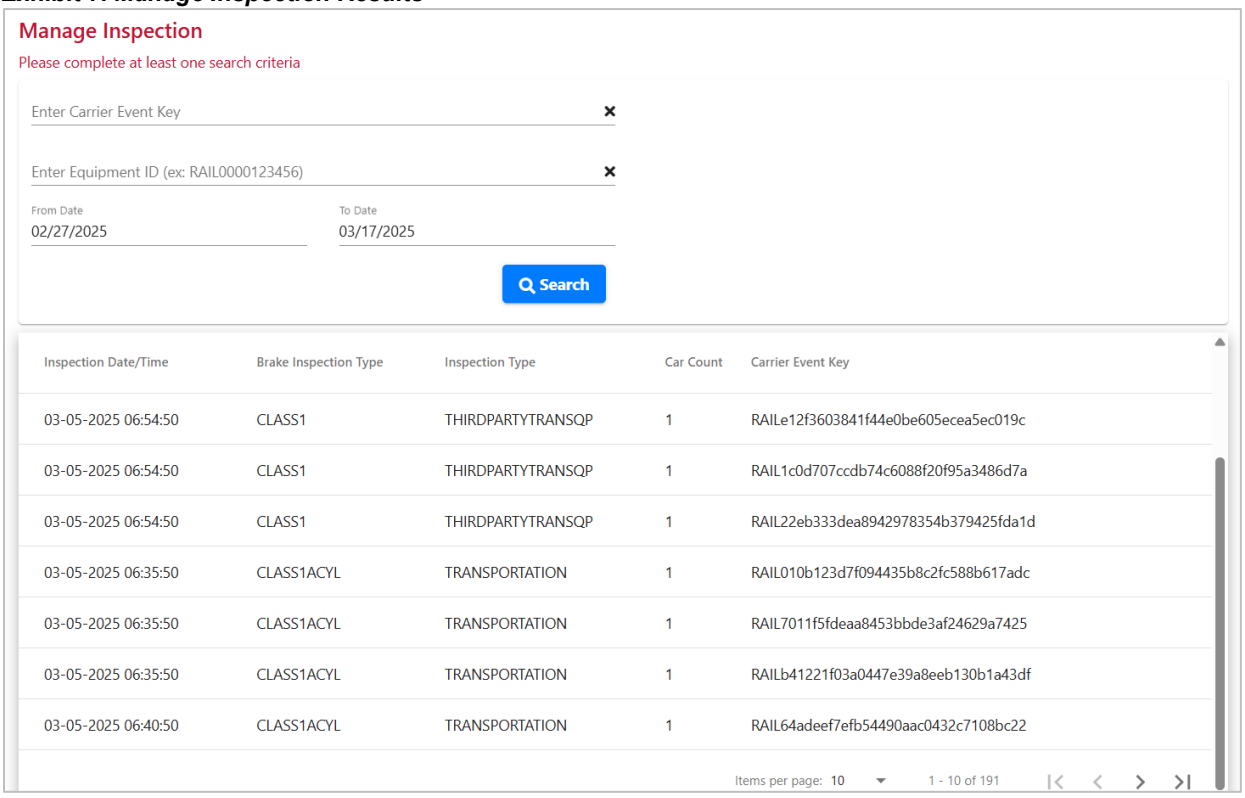
1. From the main menu, select **Manage Inspection**. The Manage Inspection page is displayed.

Exhibit 6. Manage Inspection



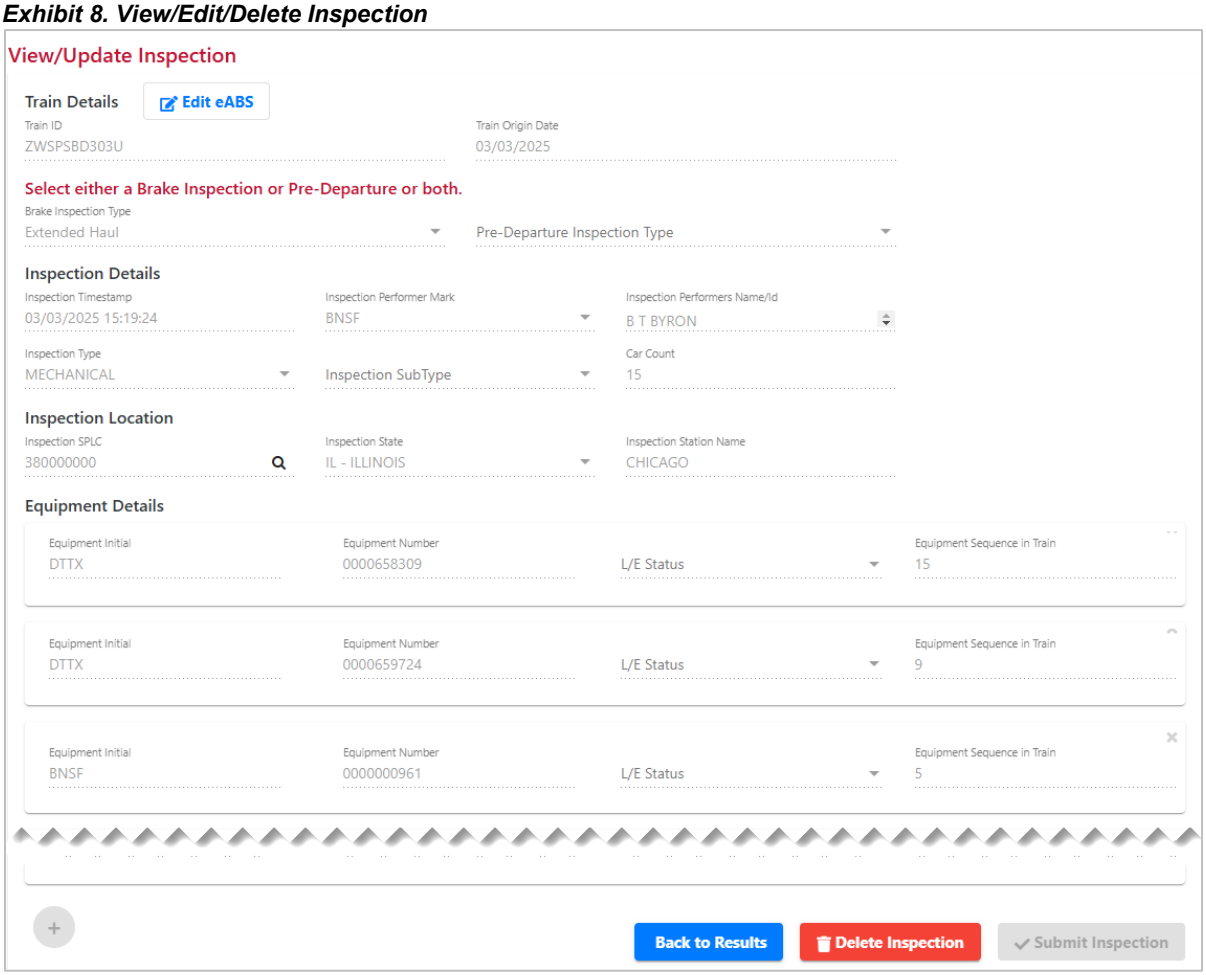
2. Enter one or more fields and the Search button is activated.
3. Select **Search**. The search results are displayed below your search criteria.

Exhibit 7. Manage Inspection Results



4. To see the details of an inspection, select a row from the search results. The View/Update Inspection page is displayed.

Exhibit 8. View/Edit/Delete Inspection



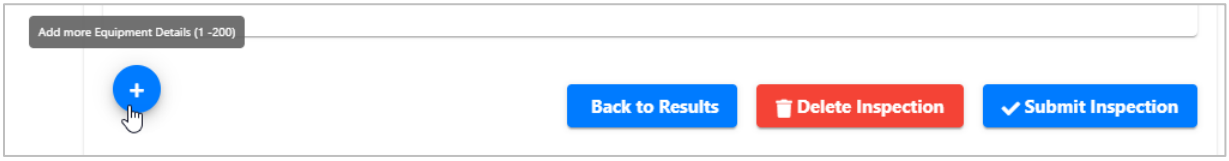
5. From the View/Update Inspection page, you can:

   a. Delete the inspection by selecting the **Delete Inspection** button at the bottom of the page.

   b. Return to your search results by selecting the **Back to Results** button.

   c. Edit the inspection by selecting the **Edit eABS** button. When you select this option, the inspection becomes editable for you to make your updates. You can add more equipment (up to a total of 200) by selecting the + button. Once updates are made, select **Submit Inspection** at the bottom of the page to submit your changes.

Exhibit 9. Edit eABS Action Buttons



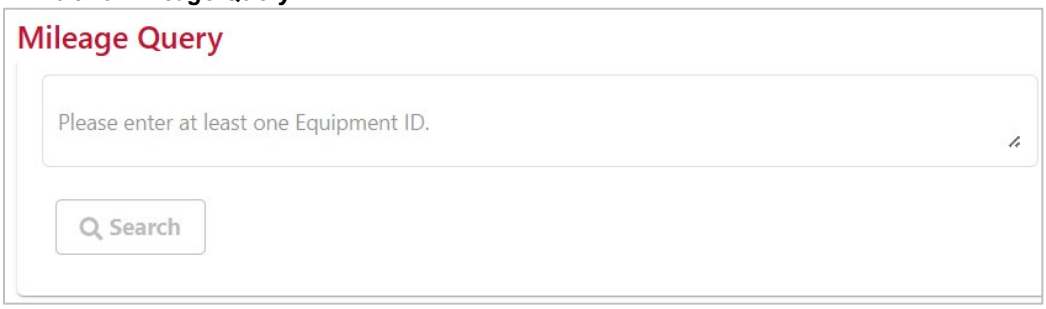
Querying Mileage

eABS provides the ability to query the number of miles before the next inspection on moving equipment.

Use the following procedure to query mileage in eABS:

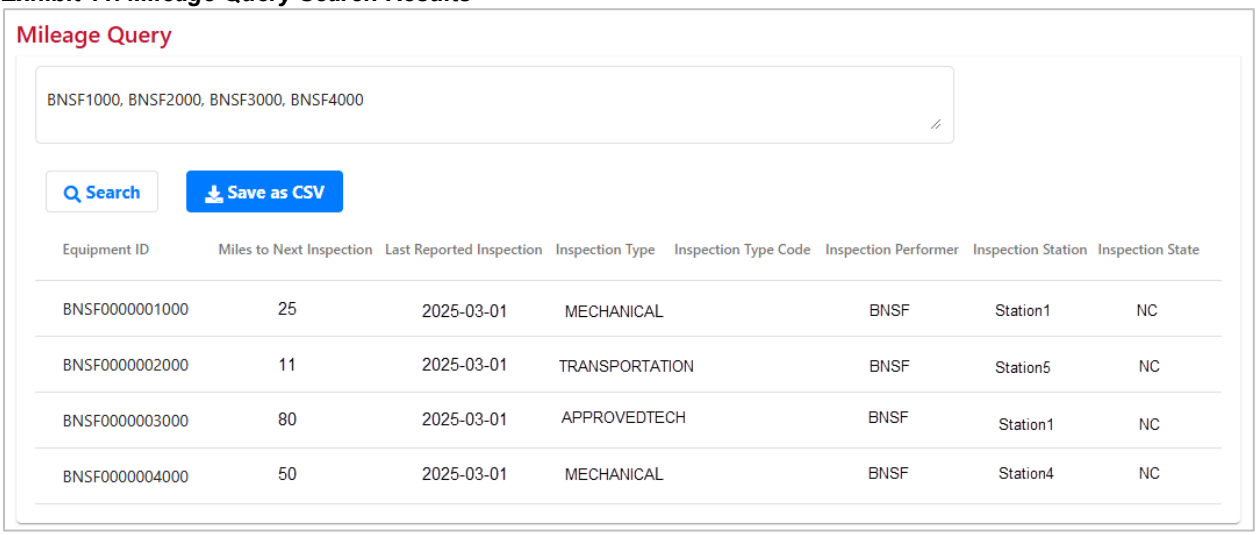
1. From the main menu, select **Mileage Query**. The Mileage Query page is displayed.

Exhibit 10. Mileage Query



2. Enter one or more Equipment IDs, separated by commas and select **Search**.
3. Search results are displayed for equipment that is moving, showing the number of miles until the next inspection.

Exhibit 11. Mileage Query Search Results



Equipment ID	Miles to Next Inspection	Last Reported Inspection	Inspection Type	Inspection Type Code	Inspection Performer	Inspection Station	Inspection State
BNSF0000001000	25	2025-03-01	MECHANICAL		BNSF	Station1	NC
BNSF0000002000	11	2025-03-01	TRANSPORTATION		BNSF	Station5	NC
BNSF0000003000	80	2025-03-01	APPROVEDTECH		BNSF	Station1	NC
BNSF0000004000	50	2025-03-01	MECHANICAL		BNSF	Station4	NC

Glossary

- **Appendix D Inspection**: A specific set of inspection requirements outlined in Appendix D of the relevant safety regulations (often related to brake system testing and other safety checks). These standards ensure the train complies with safety regulations before operation.
- **ASCTD (Automated Single Car Test Device)**: A machine that automates most of the air brake testing for a freight.
- **Brake Inspection**: Sometimes referred to as a 232 inspection, a Brake Inspection is used in freight and other non-passenger trains.
- **Class 1 Cycle Train Inspection**: A comprehensive inspection of the entire train, including air brake system, mechanical components, and safety equipment. Required every 1,000 miles and performed by a QMI.
- **Class 1A Cycle Train Inspection**: Focuses on the air brake system and related components. Required every 1,000 miles and performed by a QMI or QP.
- **Class I Inspection**: A comprehensive check covering the air brake system, mechanical components, and safety equipment, typically performed at a terminal every 1,000 miles by a QMI.
- **Class IA Inspection**: Focuses on the air brake system, including brake pipes, valves, and air hoses. Required every 1,000 miles and conducted by a QMI or QP.
- **Class II Inspection**: An intermediate inspection performed when solid blocks of cars are moved between trains. Performed when required by a QP.
- **Class III Inspection**: Verifies train brake system functionality whenever the system is interrupted or train configuration changes. Performed as needed by a QP.
- **Extended Haul Inspection**: Ensures the train is fit for long-distance travel, checking the braking system, wheels, and mechanical components. Required every 1,500 miles and performed by a QMI or QP.
- **Inbound Mechanical Inspection**: An inspection conducted when the train arrives at a terminal or yard, focusing on mechanical components, including the brake system, to ensure the train is in safe working order before departure.
- **Outbound Mechanical Inspection**: An inspection performed before the train departs a terminal or yard, ensuring the train's mechanical components, including brakes and safety equipment, are in good condition for travel.
- **Pre-Departure Inspection**: Sometimes referred to as a 215 inspection, a Pre-Departure Inspection is to be completed before the train departs either before or after a car is placed in a train.
- **QMI (Qualified Mechanical Inspector)**: A trained and certified professional who performs detailed inspections and maintenance tasks on trains.
- **QP (Qualified Person)**: A trained individual who conducts less complex inspections or tasks under supervision.
- **Shop/Expedite Inspection**: This inspection is often performed in a shop or repair facility, focusing on more detailed inspections or repairs that cannot be completed during routine pre-departure checks. It may include expedited checks to get a train ready for immediate departure after servicing.
- **TDTI (Train Data Transfer Interface)**: A system used to transfer data regarding the condition and functionality of the train's components, typically related to the braking system and operational status. It ensures real-time tracking and monitoring of train conditions.

- **Transfer Train Inspection**: Conducted for trains transferring freight between terminals, focusing on the brake system, mechanical components, and cargo restraints. Performed before each transfer trip (less than 20 miles) by a QP.