



Engines and Vehicles – Compliance Information System (EV-CIS)

# New Features for the Heavy-Duty Engine and Vehicle GHG Submodules

Informational Meeting

*November 8, 2023*

*Updated January 2024*

# Agenda

- What's Happening
- Heavy-Duty Submodules Update Overview
- Demonstration and Screenshots
- Testing and Deployment Information
- Contact Information and Resources
- Questions

# What's Happening?

- New features are being added to the Heavy-Duty (HD) Engine and Vehicle GHG Submodules (or just “Submodules”) which are used for submitting Engine Fuel Map, Tire, Axle Power Loss Map, Transmission, and Powertrain Test data—
  - Integration of the Submission Management feature (first introduced with the Production Volume Reporting Module)
  - The ability to manage versions of submitted files
  - The ability to import applicable vehicle families

*Note: This presentation does not cover all aspects of the submodules, just the changes planned for this upcoming release. If more information about the content of submodules is needed, consult the previous presentations listed in the Resources slide.*

# HD Submodules Update Overview

- This new update is part of EPA's ongoing effort to improve and streamline the process of data reporting
- The goals of this update are to—
  - Reduce reporting burden on the regulated community
  - Streamline the certification data management process
  - Improve data availability
  - Improve data integrity through enhanced data validation and the leveraging of existing data to prevent the submission of duplicate data

# HD Submodules Update Feature Highlights

- Submission Management
  - Users can see what has been submitted by any user within their company and the status of those submissions
  - Users can create new reports, revise existing ones, and save and delete in-progress changes all with a couple of clicks
  - Locking protects data while it is being worked on
- Real-time Validation
  - No tracking down submission processing reports to determine whether any business rules prevented your submission
- File Versioning
  - Users can replace uploaded Axle, Transmission, Powertrain, and Engine Fuel Map data files with new versions and revert to previous versions
- Applicable Vehicle Family Import
  - Users can import applicable vehicle families for Axle, Transmission, and Powertrain data files from a template

# HD Submodules Update Feature Highlights

- Relaxed Business Rule Restrictions on Axle and Transmission Applicable Vehicle Families
  - Vehicle Families from multiple model years can now be associated with a single Axle or Transmission file year over year
- Relaxed Business Rule Restrictions on Production Volume Reports
  - The model year associated with an Engine Fuel Map no longer needs to match the model year of the production volume report being submitted
  - With this change, the same Engine Fuel Map can be reused year over year

# HD Submodules Update Overview

U.S. Environmental Protection Agency

## EV-CIS: Engines and Vehicles - Compliance Information System

Logged in as, MCSHAN.JORDAN. Manufacturer: ENVIRONMENTAL PROTECTION AGENCY - EPA (Logout)

EV-CIS Home > Heavy-Duty Highway Tractor and Vocational Vehicle

### Heavy Duty Highway Tractor and Vocational Vehicle GHG

- Certification
  - Certification Information Submission
    - [Start New Dataset](#)
    - [Upload Existing Dataset](#)
    - [Submit Batch Dataset](#)
    - [Request Dataset Report](#)
    - [Delete Dataset](#)
  - [Maintenance Data \(Phase II Only\)](#)
  - [Submit Tire Data](#)
  - [Submit Axle Power Loss Map Data](#)
  - [Submit Transmission Data](#)
  - [Submit Powertrain Test Data](#)
  - [Upload Certification Documents](#)
- Maintenance
  - [Manufacturer Information](#)

No navigation changes to point of entry for users to submit HD submodule data

Users directed to new submodule submission management home screen

Users will no longer be navigated directly to the data entry form

Axle Power Loss Map Data Details

Manufacturer Code: EPA  
Manufacturer Name: Environmental Protection Agency

Axle Manufacturer: Choose...  
Axle Type/Configuration: Choose...  
Axle Model/Family Name:   
Axle Model Identifier:

Field Edits/Changes/Corrections: (1000 characters remaining)

The home screen allows access to the Setup and Details screens for each submission

Submission History

Mfr Report Name	EPA Submission Identifier	Model Year	Submission Status	Last Modified	Last Modified By	Actions
PWRT-MY2021-NCSCP8932432-23432423	CSC-PWRT-2023-0000114	2021	Pending In Progress	10/05/2023 10:07:28 am	Precious Gollum	Select
Report of the Potato	CSC-PWRT-2023-0000113	2025	Pending In Progress	10/04/2023 01:56:49 pm	Precious Gollum	Select
Report of the Potato	CSC-PWRT-2023-0000112	2021	Pending In Progress	10/04/2023 09:44:02 am	Bilbo Baggins	Select
There are way too many of these!	CSC-PWRT-2023-0000108	2029	Pending In Progress	10/03/2023 03:35:49 pm	FancyTest Tester	Select
test333	CSC-PWRT-2022-0000233	2021	Pending In Progress	10/02/2023 04:34:58 pm	Precious Gollum	Select
SOMETEST	CSC-PWRT-2022-0000141	2021	Pending In Progress	10/02/2023 04:24:42 am	Precious Gollum	Select

# HD Submodules Update Overview

- These changes will improve five data file submission types:
  - Transmission
  - Axle Power Loss Map
  - Powertrain Test
  - Tire
  - Engine Fuel Map

# Demonstration and Screenshots

*Note: This demo will focus on the Powertrain submodule due to availability in the testing environment, but any significant differences with other submodules will be noted*

# MyCDX\*

\*Screen may vary across users

Access EV-CIS using the “Submitter” role in order to have the ability to edit HD submodule submissions. The CAO and CROMERR Signer roles will only provide the ability to view submission.

The screenshot shows the MyCDX Central Data Exchange interface. At the top, there is a navigation bar with buttons for MyCDX, Inbox, My Profile, Role Sponsorship, Submission History, and Payments. Below this is a section titled "Services" with a "Manage" link. A table lists three services, all for "EV-CIS: Engines and Vehicles - Compliance Information System". The roles listed are "Company Approving Official (CAO)", "CROMERR Signer", and "Submitter". The "Submitter" role is highlighted with a red circle.

Status	Program Service Name	Role
	EV-CIS: Engines and Vehicles - Compliance Information System	<a href="#">Company Approving Official (CAO)</a>
	EV-CIS: Engines and Vehicles - Compliance Information System	<a href="#">CROMERR Signer</a>
	EV-CIS: Engines and Vehicles - Compliance Information System	<a href="#">Submitter</a>

# EV-CIS Home\*

\*Screen may vary across industries and user EV-CIS roles

Click the [“Submit Certification Information”](#) button on EV-CIS Home. Then, select the desired industry to view all the applicable certification information reporting requirements for that industry

The screenshot shows the EV-CIS Home interface. At the top, there is a navigation bar with the EPA logo, the text 'EV-CIS Engines and Vehicles - Compliance Information System', and links for 'My CDX' and 'CDX Inbox'. Below this is a dark blue header with 'EV-CIS Home'. The main content area is titled 'What would you like to do?' and contains six white cards with green icons and text:

- Maintain Manufacturer Information
- Submit Certification Information (highlighted with a red circle)
- Request Certificate or CSI Update
- Submit Fuel Economy Label Information
- Submit Compliance Information
- Update Introduction to Commerce Date

# Heavy-Duty Certification Information Home

Select one of the submodules to access its submission management home page.

**U.S. Environmental Protection Agency**

## EV-CIS: Engines and Vehicles - Compliance Information System

Logged in as, MCSHAN.JORDAN. Manufacturer: ENVIRONMENTAL PROTECTION AGENCY - EPA ([Logout](#))

[EV-CIS Home](#) > Heavy-Duty Highway Tractor and Vocational Vehicle

### Heavy Duty Highway Tractor and Vocational Vehicle GHG

- **Certification**
  - Certification Information Submission
    - [Start New Dataset](#)
    - [Upload Existing Dataset](#)
    - [Submit Batch Dataset](#)
    - [Request Dataset Report](#)
    - [Delete Dataset](#)
  - [Maintain CdA Aerodynamic Data \(Phase II Only\)](#)
  - [Submit Tire Data](#)
  - [Submit Axle Power Loss Map Data](#)
  - [Submit Transmission Data](#)
  - [Submit Powertrain Test Data](#)
  - [Upload Certification Documents](#)
- [Maintain Manufacturer Information](#)

**EV-CIS: Engines and Vehicles - Compliance Information System**

[EV-CIS Home](#) > Heavy-Duty Highway Gas and Diesel Engines Certification

### Heavy-Duty Highway Gas and Diesel Engines

- **Certification**
  - Engine Certification Information Submission
    - [Start New Dataset](#)
    - [Upload Existing Dataset](#)
    - [Submit Batch Dataset](#)
    - [Request Dataset Report](#)
    - [Delete Dataset](#)
  - [Submit Engine Fuel Map Data](#)
  - [Upload Certification Documents](#)
- [Maintain Manufacturer Information](#)

# Submission Management- Home



EV-CIS

Engines and Vehicles  
Compliance Information System

My CDX

CDX Inbox

← Powertrain Test Data Submission

Home

Submission List

Create Submission

Export All

Print All



Submission Status: Show All

Search:

Mfr Submission Name	EPA Submission Identifier	Model Year	Submission Status	Last Modified	Last Modified By	Actions
PWRT-MY2024-REPA5PWRTCP1-JM2	EPA-PWRT-2023-0000009	2024	Pending In Progress	10/31/2023 01:27:36 pm	Jordan McShan	Select
PWRT-MY2024-REPA5PWRTCP1-CP1	EPA-PWRT-2023-0000009	2024	Submitted	10/31/2023 12:31:01 pm	Christi Poirier	Select
PWRT-MY2021-MEPA5PWRTCP1-1	EPA-PWRT-2023-0000006	2021	Submitted	10/26/2023 10:31:47 am	Christi Poirier	Select
PWRT-MY2021-MEPA5PWRTCP2-2	EPA-PWRT-2023-0000007	2021	Submitted	10/26/2023 10:30:31 am	Christi Poirier	Select

Click the “[Create Submission](#)” button to create a new submission.

Note: The year included in the [EPA Submission Identifier](#) is the calendar year the report was first created and not the model year of the report.

When entering submission management for one of the submodules, all reports of that type submitted by any user for the Manufacturer Code will be displayed. Type additional text in the [Search box](#) to filter which reports to display.

# Submission Management- Home

## Submission List

Create Submission

Export All

Print All



Submission Status:

Show All



Search:

Mfr Submission Name	EPA Submission Identifier	Model Year	Submission Status	Last Modified	Last Modified By	Actions
PWRT-MY2024-REPA5PWRTCP1-JM2	EPA-PWRT-2023-0000009	2024	Pending In Progress	10/31/2023 01:27:36 pm	Jordan McShan	Select
PWRT-MY2024-REPA5PWRTCP1-CP1	EPA-PWRT-2023-0000009	2024	Submitted	10/31/2023 12:31:01 pm	Christi Poirier	Select
PWRT-MY2021-MEPA5PWRTCP1-1	EPA-PWRT-2023-0000006	2021	Submitted	10/26/2023 10:31:47 am	Christi Poirier	Select
PWRT-MY2021-MEPA5PWRTCP2-2	EPA-PWRT-2023-0000007	2021	Submitted	10/26/2023 10:30:31 am	Christi Poirier	Select

- Edit
- History
- Delete
- View

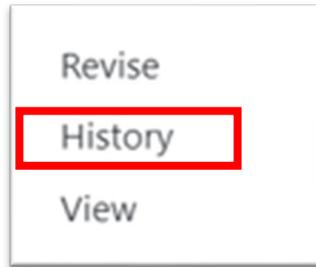
Click the Select button and then Edit, History, Delete, or View for pending reports, or Revise, History, or View for submitted reports.

Mfr Submission Name	EPA Submission Identifier	Model Year	Submission Status	Last Modified	Last Modified By	Actions
PWRT-MY2024-REPA5PWRTCP1-JM2	EPA-PWRT-2023-0000009	2024	Pending In Progress	10/31/2023 01:27:36 pm	Jordan McShan	Select
PWRT-MY2024-REPA5PWRTCP1-CP1	EPA-PWRT-2023-0000009	2024	Submitted	10/31/2023 12:31:01 pm	Christi Poirier	Select
PWRT-MY2021-MEPA5PWRTCP1-1	EPA-PWRT-2023-0000006	2021	Submitted	10/26/2023 10:31:47 am	Christi Poirier	Select
PWRT-MY2021-MEPA5PWRTCP2-2	EPA-PWRT-2023-0000007	2021	Submitted	10/26/2023 10:30:31 am	Christi Poirier	Select

- Revise
- History
- View

Click Edit to modify a Pending submission, or Revise to modify a Submitted one.

# Submission Management- Home



Click “[History](#)” in the Actions dropdown menu to see information about previous versions of the submission.

Home

Submission History

Submission Status: Show All Search:

Mfr Submission Name	EPA Submission Identifier	Model Year	Submission Status	Submission Date	Submitted By	Actions
PWRT-MY2024-REPA5PWRTABC-JM6	EPA-PWRT-2023-0000025	2024	Pending In Progress	11/07/2023 08:51:41 am	Jordan McShan	Select
PWRT-MY2024-REPA5PWRTABC-JM6	EPA-PWRT-2023-0000025	2024	Submitted	11/07/2023 08:51:01 am	Jordan McShan	Select
PWRT-MY2024-REPA5PWRTABC-JM6	EPA-PWRT-2023-0000025	2024	Superseded	11/07/2023 08:44:22 am	Jordan McShan	Select
PWRT-MY2024-REPA5PWRTABC-JM6	EPA-PWRT-2023-0000025	2024	Superseded	11/01/2023 01:30:45 pm	Jordan McShan	Select

Show 10 entries Showing 1 to 4 of 4 entries Previous 1 Next

Close

# Submission Management- Home

- The Submission Management Home screen shows all “Pending” (not yet submitted to EPA) and “Submitted” reports for all model years that were created by any users for your Manufacturer Code
- Any user can view or edit any report regardless of who initially created it, but cannot edit a report if another user is currently doing so
- The list will initially include all reports for the selected submodule, but can be further filtered to only display reports of interest

# Submission Management- Home

- Pending reports can continue to be updated using the “Edit” option in the “Actions” column until they have been submitted
- Once a report has been submitted, it can be updated using the “Revise” option in the “Actions” column
  - When “Revise” is selected, a new Pending copy of the Submitted report is created. This means that two versions of the report will then be visible in the Submission List with the same EPA Submission Identifier. When submitted, that Pending copy supersedes the previously submitted one, removing that previous one from the list. All previous versions will still be visible in the History.

# Submission Management- Report Setup

Enter the unique identifying information for this submission. For Powertrain, these are Powertrain Family Name, Powertrain Model Year, and Powertrain Calibration ID.

## Report Setup

Manufacturer Code:

EPA

Manufacturer Name:

Environmental Protection Agency

Powertrain Family Name: \*

Powertrain Model Year: \*

Powertrain Calibration ID: \*

Manufacturer Submission Name: \*

Manufacturer Submission ID:

Use Default

Comments: (4000 characters remaining):

Exit

Next

Metadata fields will remain editable before and after completing the submission for Axle, Transmission, and Engine Fuel Map submissions. Tire and Powertrain metadata have additional constraints discussed on the next slide.

In a later release, a business rule may be added to warn users if the same Manufacturer Submission Name already exists for a different report for your manufacturer code.

# Submission Management- Report Setup

All Axle, Transmission, and Engine Fuel Map metadata will remain editable when returning to the report setup screen, including during later revisions after completing the submission.

All Powertrain metadata will be editable until it has been submitted, after which the Powertrain Family Name and Powertrain Model Year fields will be locked, and only the Powertrain Calibration ID will remain editable during later revisions.

### Setup

Manufacturer Code: <b>EPA</b>	Manufacturer Name: <b>Environmental Protection Agency</b>
Powertrain Family Name: REPA5PWRTCI	Powertrain Model Year: 2024
Powertrain Calibration ID: * 2024-CP2	
Manufacturer Submission Name: * <small>Use Default Submission Name</small> PWRT-MY2024-REPA2PWRTCP2-202	Manufacturer Submission ID: <input type="text"/>

Note that a system limitation prevents the Model Year column displayed on the Submission Management home page from updating when its associated metadata is changed. If the model year of an unsubmitted Tire or Powertrain report needs to be changed, it is recommended that the existing report be deleted, and a new one be created.

Submitting any changes to metadata when revising a submitted report will require regenerating the CSI report for all associated certified families.

# Submission Management- Report Setup

- After clicking the “Next” button on the Report Setup screen, the report will automatically be saved as a pending report:
  - **Transmission:** Transmission Manufacturer (TRNS-2), Transmission Type (TRNS-4), Transmission Model Name (TRNS-5), Transmission Configuration Identifier (TRNS-6)
  - **Axle:** Axle Manufacturer (AXLE-2), Axle Type/Configuration (AXLE-4), Axle Model/Family Name (AXLE-5), Axle Model Identifier (AXLE-6)
  - **Powertrain:** Powertrain Model Year (PWRT-3), Powertrain Family Name (PWRT-2), Powertrain Calibration ID (PWRT-4)
  - **Tire:** Vehicle Model Year (TIRE-2)
  - **Engine Fuel Map:** Engine Family Model Year (EMAP-3), Engine Family Name (EMAP-2), Engine Model (EMAP-4), Engine Code (EMAP-5), Intended Engine Fuel Map Application (EMAP-12), Fuel Map Identifier (EMAP-13)

# Submodule Reporting- Details

The Details screen closely resembles the legacy version and allows data file submission and applicable vehicle family entry in the same way, with the addition of new features to simplify the process.

It is now possible to select previously uploaded Powertrain files for use in a submission, and when revising submissions, the most recently used file will be selected by default.

The screenshot shows the 'Powertrain Test Data Details' form. At the top, it displays manufacturer information: EPA (Environmental Protection Agency), submission ID PWRT-MY2024-REPA5PWRTABC-JM6, and powertrain details: REPA5PWRTABC, JM6, and model year 2024. A 'Carryover Indicator' dropdown is set to 'No'. A red box highlights a section containing a message about file versions, a 'Submit a New Version of This File' dropdown, and an 'Attach CSV File' section with a 'Choose File' button. Below this is a table for 'Applicable Vehicle Families' with columns for Name, Model Year, Status, and FEL Indicator. A red box highlights the 'Import Vehicle Families from a CSV File' button. At the bottom, a 'Comments' text area is present, and a red box highlights the 'Review' button.

**Powertrain Test Data Details**

Manufacturer Code: EPA  
Manufacturer Name: Environmental Protection Agency  
Manufacturer Submission Name: PWRT-MY2024-REPA5PWRTABC-JM6  
Manufacturer Submission ID: EPA-PWRT-2023-0000025  
Powertrain Family Name: REPA5PWRTABC  
Powertrain Calibration ID: JM6  
Powertrain Model Year: 2024

Carryover Indicator: \*  
No

The current active version of this file is displayed in the drop-down below by default. You may use this drop-down to revert to previously used version of this file or submit a new version of the file. \*

Submit a New Version of This File

Attach CSV File

Powertrain Test File: \*  
Choose File No file chosen

**Applicable Vehicle Families**

Vehicle Family Name *	Vehicle Family Model Year *	Status	New Worst-Case Configuration FEL Indicator	Delete
REPA2VOCVCP1	2024	Pending	Choose...	

Add Vehicle Family Import Vehicle Families from a CSV File

Comments: (4000 characters remaining):

Back Exit Save Review

Applicable vehicle families can now be imported via template as an alternative to manually entering them. This button is disabled until a Powertrain file has been selected or uploaded.

Once all required information has been provided, click the “Review” button to validate the submission report.

# Submodule Reporting – File Versioning

- This new feature allows manufacturers to submit a corrected file (e.g., if a new file is received from the axle/transmission/powertrain/engine fuel map manufacturer, or if the wrong file was uploaded) without having to start a whole new submission or re-enter all the applicable vehicle families
- This does NOT prevent manufacturers from needing to request new CSIs (or new certificates if a New Worst-Case Configuration FEL is generated) when certain data is changed.

# Submodule Reporting – File Versioning

A new dropdown menu has been added to the Details screen. It will display the names and upload dates of all files previously saved as part of this submission, and it will allow selecting any of them or uploading a new one to include with the current submission.

The current active version of this file is displayed in the drop-down below by default. You may use this drop-down to revert to previously used version of this file or submit a new version. **PWRT-36** \*

PowertrainCSV2.csv , 12/05/2023 07:34:03 AM

Fake Submodule CSV - Pwrt DM002.csv , 11/02/2021 10:22:27 AM

PowertrainCSV2.csv , 12/05/2023 07:34:03 AM

Submit a New Version of This File

The current active version of this file is displayed in the drop-down below by default. You may use this drop-down to revert to previously used version of this file or submit a new version of the file. \*

Submit a New Version of This File

## Attach CSV File

Powertrain Test File: \*

Choose File No file chosen

## Attach CSV File

Powertrain Test File: \*

Choose File test\_transmissionFile3.csv

The button to upload a new file is hidden until “Submit a New Version of This File” is selected in the drop-down menu. The drop-down menu displays the most recently selected file by default.

Note that leaving the submission without completing it will discard any file uploaded using the “Submit a New Version of This File” option.

# Submodule Reporting – File Versioning

For Powertrain, Transmission, Axle, and Engine Fuel Map, the name of the file submitted will be saved and visible for users when viewing, revising, or editing the submission later.

No Tire reports will show the previously selected file during editing or revising of a submission.

For Tire reports submitted prior to the release of submission management, the name of the file submitted was not saved and therefore will not be visible for users when viewing old submissions.

The current active version of this file is displayed in the drop-down below by default. You may use this drop-down to revert to previously used version of this file or submit a new version.

PWRT-36 \*

PowertrainCSV2.csv , 12/05/2023 07:34:03 AM

Fake Submodule CSV - Pwrt DM002.csv , 11/02/2021 10:22:27 AM

**PowertrainCSV2.csv , 12/05/2023 07:34:03 AM**

Submit a New Version of This File

Tire submitted before submission management:

## View

Manufacturer Code: <b>EPA</b>	Manufacturer Name: <b>Environmental Protection Agency</b>
Manufacturer Submission Name:	Manufacturer Submission ID:
EPA Submission Identifier: <b>EPA-TIRE-2019-0000008</b>	Model Year: <b>2019</b>
Transaction ID: <b>_e8d57445-43f1-4174-8666-da2d5d07f7ca</b>	
Tire Data File: <b>Not Available</b>	

Tire submitted after submission management:

## View

Manufacturer Code: <b>EPA</b>	Manufacturer Name: <b>Environmental Protection Agency</b>
Manufacturer Submission Name: <b>TIRE-MY2030</b>	Manufacturer Submission ID: <b>Tire-MY2024</b>
EPA Submission Identifier: <b>EPA-TIRE-2023-0000014</b>	Model Year: <b>2030</b>
Transaction ID: <b>_5d5fdedb-09e7-49c5-876d-20b87cf0709c</b>	
Tire Data File: <b>Tire-CSV2.csv</b>	

# Submodule Reporting – File Versioning

When selecting an option in the dropdown menu, a confirmation window will appear to give a reminder that the applicable vehicle families' CSI reports and certificates may need to be updated.

Changing the version of the file will require you to at least request an updated CSI for all applicable vehicle families because the file name is part of the CSI.

## Selected Powertrain Test Data File Change Confirmation

Warning! You are selecting to submit a new version of this Powertrain Test Data File. Upon submission of this form, this version of the file will be assigned to all applicable vehicle families included in this submission. By the end of the model year, for each of these applicable vehicle families, you will need to—

- Resubmit your certification dataset to generate a new Certificate Summary Information (CSI) with the new file name and any other updates; and then,
- For each of these families that have already been certified, you must do one of the following within 30 days of generating that CSI:
  - If the family has a new worst-case configuration FEL, submit a Request for Revised Certificate; or
  - If the family does not have a new worst-case configuration FEL, submit a Request for CSI Update.

Cancel

Confirm

# Submodule Reporting – Applicable Vehicle Family Import

- There is a new data import option for entering applicable vehicle family information for the Axle, Transmission, and Powertrain submodules
- In lieu of manually entering the data, applicable vehicle family data can be imported onto the Details screen from a properly formatted CSV template
  - The same CSV template can be used to import data for all three submodules
  - Any rows of a CSV file that do not contain the required fields Vehicle Family Name and Vehicle Family Model Year will be ignored
  - If the template is used to import any duplicate records, only the last instance will appear in the table.
  - Vehicle families do not have to exist yet in EV-CIS to be used with this import feature
  - All applicable vehicle family data already entered in the user interface will be overwritten by the data in the CSV file
  - The New Worst-Case Configuration FEL Indicator will be enabled/disabled depending on the status of the family. If the family is certified, any value for the FEL indicator will be imported. If the family is not certified, the FEL indicator value will be disregarded.
- Note that when viewing or revising submissions predating the submission management feature, any previously selected applicable vehicle families that are expired, suspended, voided, or revoked will have been removed. When revising any submission or creating a new one, expired/suspended/voided/revoked families will not be displayed in the auto suggest drop down for selection.

# Submodule Reporting – Applicable Vehicle Family Import

## To import data from a CSV file:

1. Click the “Import Vehicle Families from a CSV File” button
2. Browse for and select the applicable vehicle family CSV file
3. If there is a problem with your CSV file, an error will be displayed. Otherwise, the data in your CSV will be imported and will replace any data already entered on the screen

Applicable Vehicle Families

Vehicle Family Name *	Vehicle Family Model Year *	Status	New Worst-Case Configuration FEL Indicator
<input type="text" value="REPA2VOCVCP1"/>	<input type="text" value="2024"/>	Pending	<input type="button" value="Choose..."/>

# Submodule Reporting – Applicable Vehicle Family Import

This is an example of the CSV file for importing Powertrain, Transmission, and Axle data.

If you specify a File Name, the vehicle family information on that row will only be imported if it matches the selected submodule file name on the Details screen, and otherwise the row will be ignored. If left blank, the File Name will not be used as an import criteria.

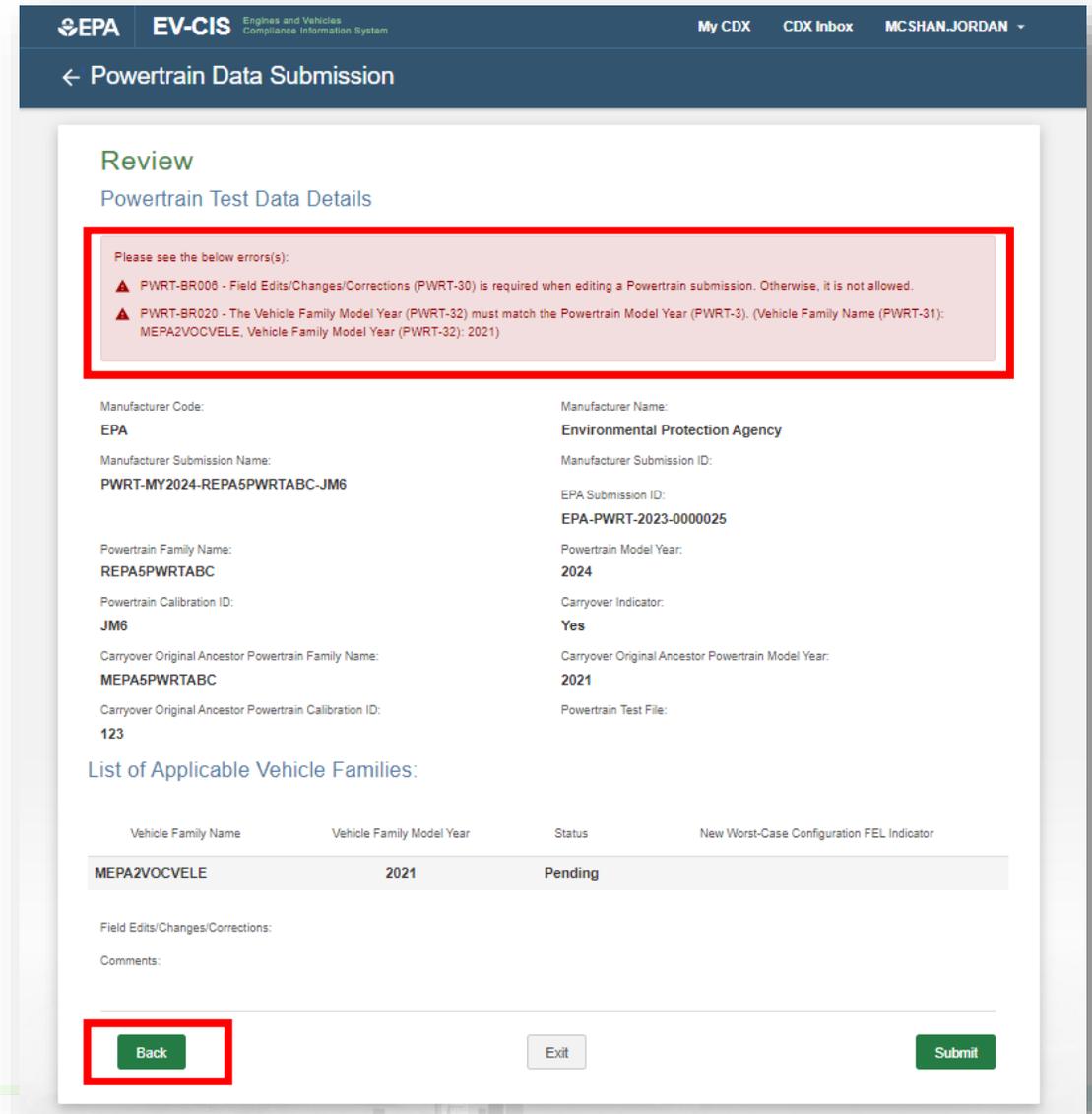
If you specify a Submodule Type, the vehicle family information on that row will only be imported for that specific submodule. If left blank, the submodule type will not be used as an import criteria.

A	B	C	D	E	F	G	H	I	
1	# This is a template for importing applicable vehicle family data for Axle, Transmission, and Powertrain data files into the Heavy-Duty Highway Tractors and Vocational Vehicles industry submodules.								
2	# Make sure your file is saved in CSV format before uploading it to the screen.								
3	#								
4	# Items in the CSV file must be separated by a comma. Non-USA users should check their files to be certain that some other character was not used by their computer as the item separator.								
5	# In some cases, the user may wish to change the default list separator character in Windows. (Start   Settings   Control Panel   Regional and Language Options   Customize   List Separator)								
6	# Warning: Commas are used as separators between values in CSV files. Please do not use commas within individual number values, as these will be interpreted as indicators that one value has ended and another has begun. The creation of additional values will affect how your CSV file is imported into EV-CIS.								
7	# Warning: If you are not using Microsoft Excel to create your CSV files, please wrap any field that contains a comma within double quotes.								
8	# Warning: If duplicate records are identified in the CSV when importing, the latest instance encountered shall supersede the previous one.								
9	# Warning: Completing the import procedure with this template will replace everything that was previously entered or previously imported.								
10	# Any row that starts with a '#' in the first column will be ignored								
11	#								
12	# This template can be used to hold and import applicable vehicle family data for any Axle, Transmission, or Powertrain data file.								
13	# If you specify a File Name, the vehicle family information on that row will only be imported for that specific file, and the row will be ignored if the specified File Name does not match the File Name of the submission. If File Name is left blank, the vehicle family information on that row will be imported for all files matching the other criteria specified in that row, regardless of the File Name of the submission.								
14	# If you specify a New Worst-Case Configuration FEL Indicator for a certified vehicle family, that value will be imported for that family. If left blank for a certified vehicle family, you will be required to select a value in the submodule interface. If you provide a value for a family that is not certified, that value will be disregarded during the import.								
15	# If you specify a Submodule Type, the vehicle family information on that row will only be imported for that specific submodule. If left blank, the submodule type will not be used as a criteria for importing the vehicle family information on that row.								
16	# Although the fields titled "Allowed Values:" show both codes and their descriptions, the actual input file should only use the appropriate codes.								
17	# See examples below.								
18	#								
19	#Vehicle Family Name	Vehicle Family Model Year	File Name	New Worst-Case Configuration FEL Indicator	Submodule Type				
20	#AXLE-8, TRNS-12, PWRT-31	AXLE-9, TRNS-13, PWRT-32	AXLE-11, TRNS-15, PWRT-34	AXLE-10, TRNS-14, PWRT-33					
21	**Required**	**Required**	**Optional**	**Optional**	**Optional**				
22	#			Allowed Values:	Allowed Values:				
23	#			Y = Yes	AXLE = Axle				
24	#			N = No	TRNS = Transmission				
25	#				PWRT = Powertrain				
26	#MEPA2TRAC001	2021	MFRAxleFile.csv	Y	AXLE				
27	#MEPA2TRAC002	2021	MFRTransFile.csv	Y	TRNS				
28	#MEPA2TRAC003	2021	MFRPowertrainFile.csv	N	PWRT				
29									
30									
31									
32									
33									

# Submodule Reporting – Review & Confirm



Click the “Review” button to validate your submission. If there are business rule errors, they will be displayed at the top of the screen. Click the “Back” button to continue editing this report or to resolve any business rule errors.



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← Powertrain Data Submission

### Review

Powertrain Test Data Details

Please see the below errors(s):

- ▲ PWRT-BR006 - Field Edits/Changes/Corrections (PWRT-30) is required when editing a Powertrain submission. Otherwise, it is not allowed.
- ▲ PWRT-BR020 - The Vehicle Family Model Year (PWRT-32) must match the Powertrain Model Year (PWRT-3). (Vehicle Family Name (PWRT-31): MEPA2VOCVELE, Vehicle Family Model Year (PWRT-32): 2021)

Manufacturer Code: EPA  
Manufacturer Name: Environmental Protection Agency  
Manufacturer Submission Name: PWRT-MY2024-REPA5PWRTABC-JM6  
Manufacturer Submission ID: EPA-PWRT-2023-0000025  
Powertrain Family Name: REPA5PWRTABC  
Powertrain Model Year: 2024  
Powertrain Calibration ID: JM6  
Carryover Indicator: Yes  
Carryover Original Ancestor Powertrain Family Name: MEPA5PWRTABC  
Carryover Original Ancestor Powertrain Model Year: 2021  
Carryover Original Ancestor Powertrain Calibration ID: 123  
Powertrain Test File:

List of Applicable Vehicle Families:

Vehicle Family Name	Vehicle Family Model Year	Status	New Worst-Case Configuration FEL Indicator
MEPA2VOCVELE	2021	Pending	

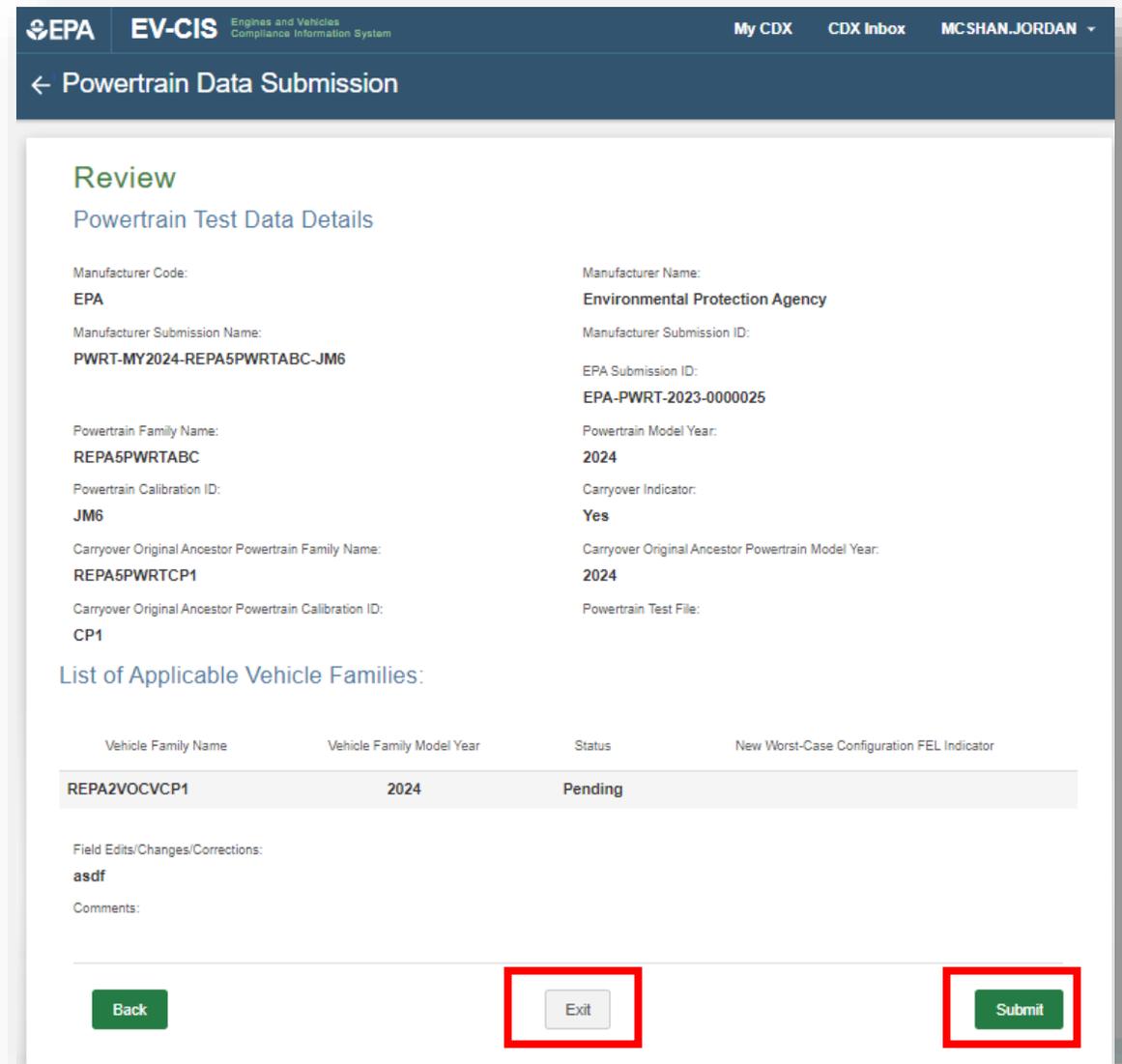
Field Edits/Changes/Corrections:  
Comments:

**Back** Exit Submit

# Submodule Reporting – Review & Confirm



If no business rule errors are displayed at the top of the Review screen, you can click the “[Submit](#)” button to submit this report, or click the “[Exit](#)” button to return to the Submission Management Home screen and keep this report as pending.



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## Powertrain Data Submission

### Review

#### Powertrain Test Data Details

Manufacturer Code: <b>EPA</b>	Manufacturer Name: <b>Environmental Protection Agency</b>
Manufacturer Submission Name: <b>PWRT-MY2024-REPA5PWRTABC-JM6</b>	Manufacturer Submission ID: <b>EPA-PWRT-2023-000025</b>
Powertrain Family Name: <b>REPA5PWRTABC</b>	EPA Submission ID: <b>EPA-PWRT-2023-000025</b>
Powertrain Calibration ID: <b>JM6</b>	Powertrain Model Year: <b>2024</b>
Carryover Original Ancestor Powertrain Family Name: <b>REPA5PWRTCP1</b>	Carryover Indicator: <b>Yes</b>
Carryover Original Ancestor Powertrain Calibration ID: <b>CP1</b>	Carryover Original Ancestor Powertrain Model Year: <b>2024</b>
	Powertrain Test File:

List of Applicable Vehicle Families:

Vehicle Family Name	Vehicle Family Model Year	Status	New Worst-Case Configuration FEL Indicator
REPA2VOCVCP1	2024	Pending	

Field Edits/Changes/Corrections:  
**asdf**

Comments:

**Back** **Exit** **Submit**

# Submodule Reporting – Complete



Record the CDX Transaction ID for each report submission in case there are any issues with the submission.

You will NOT receive CDX inbox messages for Submission Management Report submissions.

## Complete

Your dataset has been submitted to EPA. If you have any questions, please contact EPA at (888) 890-1995 or email [evcishelpdesk@epacdx.net](mailto:evcishelpdesk@epacdx.net).

### Submission Summary

Manufacturer Code:

**EPA**

EPA Submission ID:

**EPA-PWRT-2024-0000007**

Powertrain Model Year:

**2024**

Transaction ID:

**\_b04582e0-8cb4-41e5-acd2-20c9ad1df839**

Manufacturer Name:

**Environmental Protection Agency**

Powertrain Family Name:

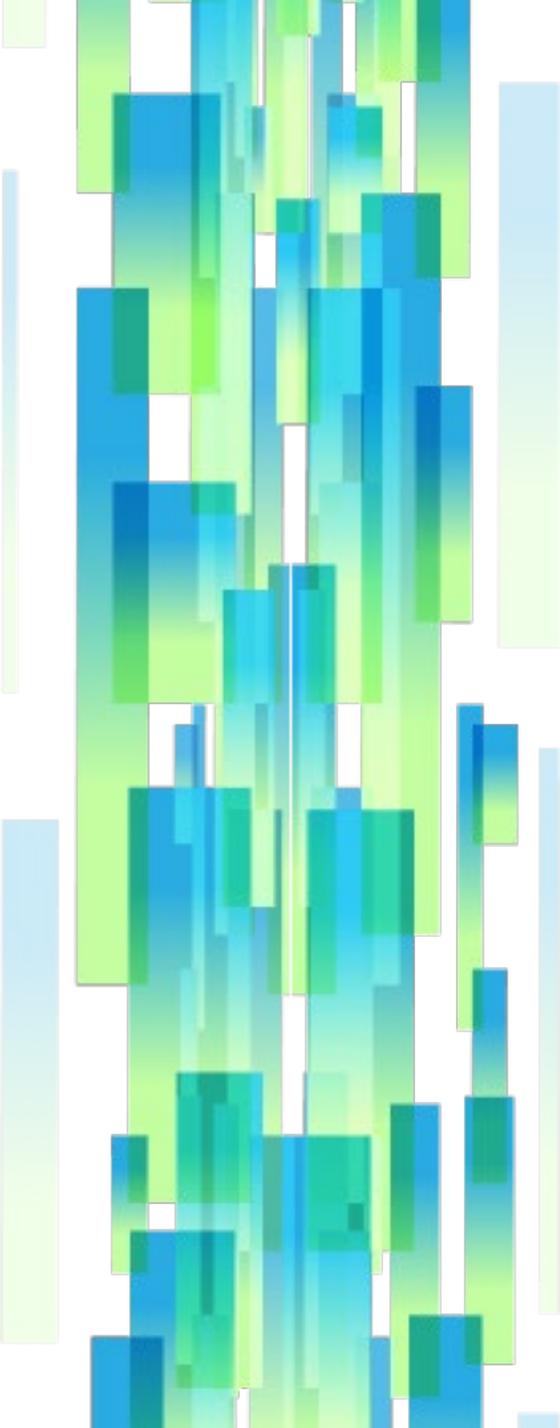
**REPA5PWRTCP2**

Powertrain Calibration ID:

**2024-CP2**

# Testing and Deployment Information

- EPA will be holding an official Manufacturer Testing period:
  - December 4 through December 15, 2023
  - Testing kickoff meeting will be held December 4, 3pm – 4pm. Information for the meeting will be sent to testers in advance
  - If you would like to participate in testing, send an email to [evcis@epa.gov](mailto:evcis@epa.gov) with the subject line “Testing of Heavy-Duty Submodule” no later than November 17, 2023
- The production release of these changes is currently planned for early 2024 and the exact date will be communicated via list server message when available



# Contact Information

## EV-CIS Help Desk

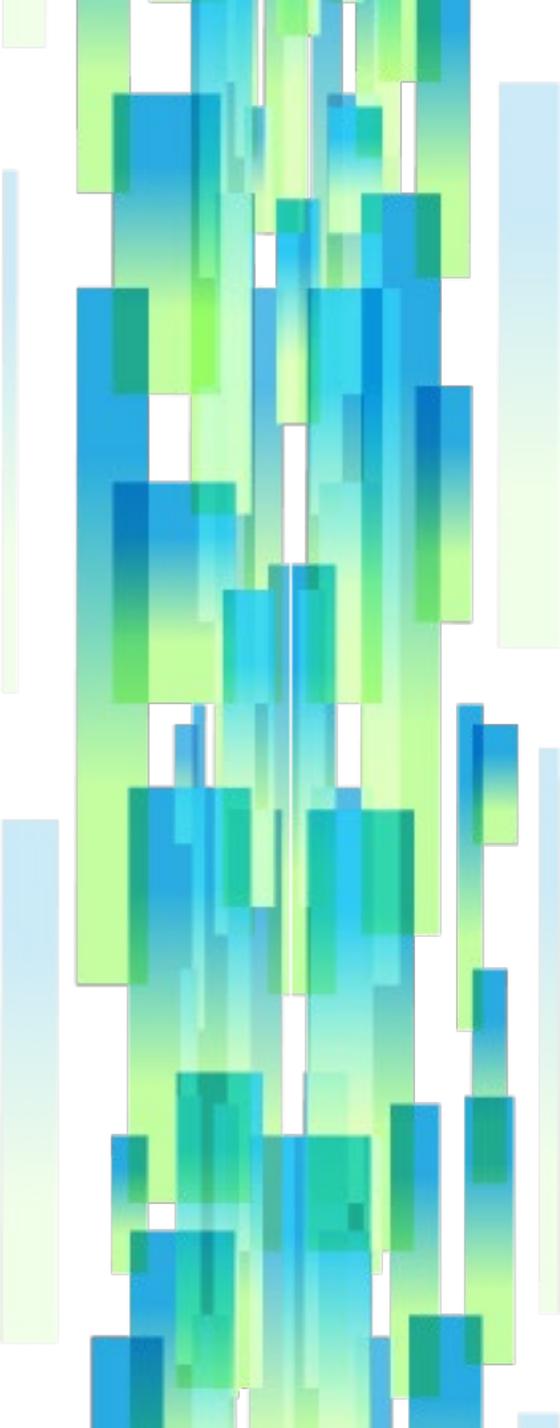
Direct all system-related questions to the EV-CIS Help Desk—  
Email [evcishelpdesk@epacdx.net](mailto:evcishelpdesk@epacdx.net)

## EV-CIS Listserver

To sign up for the EV-CIS list server, send email to [evcis-subscribe@lists.epa.gov](mailto:evcis-subscribe@lists.epa.gov)

## Manufacturer Information and Guidance Listserver

To be notified when new manufacturer information letters, guidance letters, and advisory circulars are issued for vehicle, engine, and equipment programs, join the Manufacturer Information list server by sending email to [manufacturer-info-subscribe@lists.epa.gov](mailto:manufacturer-info-subscribe@lists.epa.gov).



# Resources

## **EV-CIS Website**

<https://www.epa.gov/vehicles-and-engines>

## **EV-CIS User Registration**

<https://www.epa.gov/ve-certification/how-register-engines-and-vehicles-compliance-information-system-ev-cis>

## **System Documentation and Guidance for HD Engine and Vehicle Compliance**

<https://www.epa.gov/ve-certification/system-documentation-onroad-heavy-duty-vehicles-engines-and-vehicles-compliance>

## **Presentations about HD Engine and Vehicle Compliance**

<https://www.epa.gov/ve-certification/presentations-about-heavy-duty-engine-and-vehicle-modules-engines-and-vehicles>

Questions?

# Known Limitations in HDV Production Volume Reporting

- Business rule CR-PV-BR119 will require an update in our next major system deployment to allow submitters to use engine fuel maps across different model years.
- The deployment that will update this business rule is currently planned for April 2024.
- Any HDV Production Volume submissions completed before that update may need an exclusion to this business rule on a case-by-case basis.

# January 2024 Presentation Updates

Highlighting has been added to the following slides to note changes to this presentation:

- Slide 5 has been edited to include the Engine Fuel Map in the list of submodules receiving the file versioning feature
- Slides 18 and 19 now give details on the newly added ability to edit metadata after leaving the setup page
- Slides 22 - 24 describe small changes to the design of the file version drop-down menu and file submission process
- Slide 26 notes a change to the behavior of applicable vehicle families
- Slide 36 notes an issue with a Production Volume Reporting business rule that will not be fixed until our next major deployment