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## Vehicle and Engine Certification

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# Certification for Heavy-Duty (HD) Commercial Trucks and Buses and Onroad HD Engines

Follow these steps for certification.

## STEP 1: Confirm that you have access to EV-CIS.

You must register with EPA to gain access to EV-CIS, formerly Verify, *for the specific manufacturer code* for which you are seeking certification.

- [How to register for EV-CIS](https://epa.gov/ve-certification/how-register-engines-and-vehicles-compliance-information-system-ev-cis)

You must also set up an account with EPA to establish the necessary EV-CIS roles.

- [Account setup for EV-CIS](https://epa.gov/ve-certification/account-setup-engines-and-vehicles-compliance-information-system-ev-cis)

## STEP 2: Update manufacturer information in EV-CIS.

To update information, users must have the "Maintain Manufacturer Information" role in EV-CIS. Otherwise, users will only be able to *view* the information.

### Related Topic

For **all** onroad, see:

- Onroad Vehicles and Engines

<https://epa.gov/ve-certification/certification-and-compliance-onroad-vehicles-and-engines>

### Information to Update

Updates include (but are not limited to):

- Industry sector(s);
- Addresses;
- Contacts and Industry/Compliance Programs;
- Test labs; and
- Notification email addresses (used for EV-CIS' broadcast notifications).

## STEP 3: Review all applicable regulations.

Regulations provide requirements for certification and compliance.

### Regulations

Review the following:

- 40 CFR Part 85 [🔗](https://www.ecfr.gov/current/title-40/part-85) <https://www.ecfr.gov/current/title-40/part-85>  
Control of air pollution from mobile sources.
- 40 CFR Part 86 [🔗](https://www.ecfr.gov/current/title-40/part-86) <https://www.ecfr.gov/current/title-40/part-86>  
Control of emissions from new and in-use highway vehicles and engines.
- 40 CFR Part 1036 [🔗](https://www.ecfr.gov/current/title-40/chapter-i/subchapter-u/part-1036) <https://www.ecfr.gov/current/title-40/chapter-i/subchapter-u/part-1036>  
Control of emissions from new and in-use heavy-duty highway engines.
- 40 CFR Part 1037 [🔗](https://www.ecfr.gov/current/title-40/chapter-i/subchapter-u/part-1037) <https://www.ecfr.gov/current/title-40/chapter-i/subchapter-u/part-1037>  
Control of emissions from new heavy-duty motor vehicles.
- 40 CFR Part 1065 [🔗](https://www.ecfr.gov/current/title-40/chapter-i/subchapter-u/part-1065) <https://www.ecfr.gov/current/title-40/chapter-i/subchapter-u/part-1065>  
Engine testing procedures.
- 40 CFR Part 1068 [🔗](https://www.ecfr.gov/current/title-40/chapter-i/subchapter-u/part-1068) <https://www.ecfr.gov/current/title-40/chapter-i/subchapter-u/part-1068>  
General compliance provisions for highway, stationary, and nonroad programs.
- 49 CFR Part 535 [🔗](https://www.ecfr.gov/current/title-49/subtitle-b/chapter-v/part-535) <https://www.ecfr.gov/current/title-49/subtitle-b/chapter-v/part-535>  
Medium- and heavy-duty vehicle fuel efficiency program.

### Selected Guidance Letters

Review selected guidance letters:

- Information about Family Naming Conventions <https://epa.gov/ve-certification/information-about-family-naming-conventions-vehicles-and-engines>
- Changes in Submission Process of Emissions-Related Defect and Recall Reports under 40 CFR Part 1068, Subpart F (pdf)(67 KB, August 1, 2016)

- "Downgrading" Engines for Purpose of Exportation (pdf) (42 K, May 16, 2016)
- Use of FA-4 Engine Oil for Testing of Heavy-Duty Highway Engines (pdf) (194 KB, May 2, 2016)

## STEP 4: Pay appropriate certification fees, as applicable.

A fee payment may be required for each certificate issued by EPA.

For more details, go to: Fees Information <<https://epa.gov/ve-certification/fees-information-motor-vehicle-and-engine-compliance-program-mvecp>>

## STEP 5: Prepare certification application materials.

For each model year for an Engine Family, you must provide the applicable certification dataset and supporting materials.

### Support Documentation for Submissions

#### Materials Specific to Heavy-Duty (HD) Commercial Trucks & Buses and HD Engines

- Engines:
  - System documentation for heavy duty engines <<https://epa.gov/ve-certification/system-documentation-heavy-duty-engines-engines-and-vehicles-compliance>>  
Includes data requirements, business rules, XML schema, XML schema change log, calculations spreadsheet, and standards decision tables.
  - Data import templates for heavy-duty engines <<https://epa.gov/ve-certification/import-files-heavy-duty-engines-engines-and-vehicles-compliance-information-system>>  
Includes import templates for models and parts and auxiliary emission control devices.

- Vehicles:
  - [Heavy-Duty Vehicle Certification Tutorial](https://epa.gov/ve-certification/heavy-duty-vehicle-certification-tutorial) <https://epa.gov/ve-certification/heavy-duty-vehicle-certification-tutorial>
  - [System documentation for heavy-duty vehicles](https://epa.gov/ve-certification/system-documentation-onroad-heavy-duty-vehicles-engines-and-vehicles-compliance) <https://epa.gov/ve-certification/system-documentation-onroad-heavy-duty-vehicles-engines-and-vehicles-compliance>  
Includes data requirements, business rules, XML schema, and XML schema change log.
  - [Import file for heavy duty vehicles](https://epa.gov/ve-certification/import-files-heavy-duty-vehicles-engines-and-vehicles-compliance-information) <https://epa.gov/ve-certification/import-files-heavy-duty-vehicles-engines-and-vehicles-compliance-information>  
Includes templates for importing heavy-duty vehicle tire configurations and applicable vehicle families for powertrain test, axle power loss map, and transmission data.
- Other materials:
  - [Presentations about heavy-duty engine and vehicle modules in EV-CIS](https://epa.gov/ve-certification/presentations-about-heavy-duty-engine-and-vehicle-modules-engines-and-vehicles) <https://epa.gov/ve-certification/presentations-about-heavy-duty-engine-and-vehicle-modules-engines-and-vehicles>  
Includes presentations for heavy-duty tractors and vocational vehicle module, heavy-duty engine module, and heavy-duty evaporative module.

## Materials for All EV-CIS Users

- [Software release notes for EV-CIS](https://epa.gov/ve-certification/software-release-notes-engines-and-vehicles-compliance-information-system-ev-cis) <https://epa.gov/ve-certification/software-release-notes-engines-and-vehicles-compliance-information-system-ev-cis>
- [EV-CIS documentation for request for certificate \(RFC\) module](https://epa.gov/ve-certification/engines-and-vehicles-compliance-information-system-ev-cis-documentation-request) <https://epa.gov/ve-certification/engines-and-vehicles-compliance-information-system-ev-cis-documentation-request>  
Includes data requirements and business rules.
- [EV-CIS documentation for cross-industry services](https://epa.gov/ve-certification/engines-and-vehicles-compliance-information-system-ev-cis-documentation-cross) <https://epa.gov/ve-certification/engines-and-vehicles-compliance-information-system-ev-cis-documentation-cross>  
Includes data requirements and business rules.

# STEP 6: Submit the completed certification application materials in EV-CIS.

Login to EV-CIS through the CDX portal: Central Data Exchange (CDX) <https://epa.gov/cdx>

Click the applicable industry role on the MyCDX homepage.

Submit the completed certification dataset and upload any required supporting materials.

## STEP 7: Confirm that your submission(s) from Step 6 were accepted by EV-CIS.

Within a few minutes of all submissions, the submitter will receive a notification in their CDX inbox indicating whether the submission was accepted or rejected.

To access your CDX inbox, click the "Inbox" link on the left navigation bar of the MyCDX homepage.

## STEP 8: Submit a request for certificate (RFC).

A CROMERR signer must submit an RFC for each Engine Family.

To do so, click the "CROMERR Signer" role on your MyCDX homepage.

## STEP 9: Receive Certificate of Conformity.

The CROMERR signer will receive the certificate in his or her CDX inbox.

To access your CDX inbox, click the "Inbox" link on the left navigation bar.

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[Certification & Compliance for Vehicles & Engines Home](https://epa.gov/ve-certification) <https://epa.gov/ve-certification>

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