

Heavy Duty Highway Engines - Verify Module

Manufacturer Information Meeting

July 14, 2015



Agenda

- Introduction
- Submitting Certification Information
 - Login To CDX
 - MyCDX
 - Submitting Certification Data
- Uploading Compliance Documents
- Requesting a Certificate
- Testing and Deployment Information
- Questions



Submitting Certification Information



Login To CDX

- To login
 - Go to <http://test.epacdx.net/>
 - Enter your User ID and Password
 - If you do not remember your User ID or Password click on the “Forgot your Password” or “Forgot your User ID” links below the log in box.
 - If you are still unable to log in to CDX contact the CDX helpdesk at 888-890-1995 and tell them you are having issues with your CDX Test account.
- Once you are logged in click on
 - Heavy-Duty Highway Gas and Diesel Engines



My CDX Continued

- Roles
 - Heavy-Duty Highway Gas and Diesel Engine
 - Used to enter Heavy-Duty Highway Gas and Diesel Engine certification data and documents
 - CROMERR Signer
 - Used to request a certificate through the Request for Certificate module
 - Maintain Manufacturer Information
 - Used to enter/update manufacturer contact information, test labs and specify contacts for each industry. Note that the information for Plant Address and U.S. Agent for Service are linked to contact names and addresses provided in Maintain Manufacturer Information



My CDX

Services

Manage

Status	Program Service Name	Role
	VERIFY: Vehicles and Engines Compliance Information System	Heavy-Duty Highway Gas and Diesel Engines
	VERIFY: Vehicles and Engines Compliance Information System	Maintain Manufacturer Information
	Verify-RFC: Request an Engine, Vehicle or Component Certificate of Conformity (CROMERR)	CROMERR Signer

Click on "Heavy-Duty Highway Gas & Diesel Engine" to enter engine family information

Click on "Maintain Manufacturer Information" to update addresses and contacts

Click on "CROMERR Signer" to request a certificate




Heavy Duty Engine

- Certification Information Submission
 - Start New Dataset
 - Used to manually enter your certification information for your engine family.
 - Upload Existing Dataset
 - Used to open a previously saved certification dataset from your computer.
 - Submit Batch Dataset
 - Used to submit multiple certification submissions within a single XML file.
 - Request Dataset Report
 - Used to request a dataset report for a specific engine family and model year combination.
 - Delete Dataset
 - Used to delete a dataset submission for a specific engine family and model year combination.
 - Upload Certification Documents
 - Used to submit certification documents.



Heavy Duty Engine Continued



About CDX
MyCDX
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Verify: Engine and Vehicle Compliance System

[MyCDX](#) > Heavy-Duty Highway Gas and Diesel Engines

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](#)
 - [Upload Certification Documents](#)
- **Compliance**
 - [Averaging, Banking and Trading Reports](#)
 - [Production Volume Reports](#)



General Information

Engine Certification Information Submission

* or * = required field

+ = CTRL-click to select multiple values

[? Help](#)

General Information

Emission Control System

Models and Parts

Test Information

Adjustment Factors

Durability Information

General Information

EPA Manufacturer Code

EPA

Process Code* :

Select

Model Year* :

Select

EPA Engine Family Name* :

Manufacturer Engine Family Name* :

Is this data being carried over from a previously certified engine family?* :

Select

Carryover Test Data Engine Family Name :

Carryover Original Ancestor Engine Family Name :

Running Change Type+ :

- 1 = New ratings (Add new models/codes to list of models)
- 2 = Part numbers (Change, delete, or add additional, component part numbers.)
- 3 = Fuel rates (Revise fuel rates of a model.)
- 4 = Torques/ Powers/ Speeds (Revise torques or powers or speeds in list of models.)

Running Change Type(s) Description, if "Other" (4000 characters available)

Field Edits/Changes/Corrections (600 characters available)



Draft Screen Shot of General Info Tab

Engine Certification Information Submission

* or * = required field

+ = CTRL-click to select multiple values

? Help

- General Information
- Emission Control System
- Models and Parts
- Durability Information
- Adjustment Factors
- Test Information

General Information

EPA Manufacturer Code

EPA

Process Code* :

Select

Model Year* :

Select

EPA Engine Family Name* :

Manufacturer Engine Family Name :

Is this data being used as the basis for this application emission test data collected for a previous certified family?* :

Select

Carryover (Original) Engine Family Name :

Running Change Type+ :

- 1 = New ratings (Add new models/codes to list of models)
- 2 = Part numbers (Change, delete, or add additional, component part numbers.)
- 3 = Fuel rates (Revise fuel rates of a model.)
- 4 = Torques/ Powers/ Speeds (Revise torques or powers or speeds in list of models.)

Running Change Type(s) Description, if "Other" (4000 characters available)

Field Edits/Changes/Corrections (600 characters available)

Applicable Regulation* :

Select

Manufacturer Type* :

Select



General Information Continued

Applicable Regulation * :

Select

Manufacturer Type * :

Select

Alternate Trade Names (on Label)

+ Add

Delete

Branding Arrangements (4000 characters available)

Engine Description Information

Engine Combustion Cycle * :

Select

Engine Combustion Cycle Description, if "Other" (4000 characters available)



General Information Continued

Fuel Options * :

Fuel #1

Fuel * : Fuel, if "Other" :

Fuel Metering System Type * :

Fuel Metering System Type Description, if "Other" (4000 characters available)

Engine Description * (4000 characters available)



General Information Continued

Intended Engine Application : Certification Region Code* :

Intended Service Class* :

Is this a reduced fee engine family (40 CFR Part 1027.120)?

Applicable Evaporative Famil(ies)	+ Add
<input type="text"/>	Delete

CO2 Standard Type :

Alternate Tractor CO2 Standard :

Alternate Vocational CO2 Standard :

Is an alternative maintenance interval being used for this engine family?* :

Describe the alternate maintenance interval being used for this family (4000 characters available)

Averaging, Banking, and Trading (ABT) Information

In which Averaging, Banking, and Trading (ABT) program is the engine family participating? :



General Information Continued

Family Certification Levels (FCL)

CO2 FCL for Transient Test Cycle :

CO2 FCL for Steady-State Test Cycle :

* Your CO2 FEL will automatically be set to 1.03 x FCL regardless of whether you are participating in the Averaging, Banking and Trading (ABT) program

Credit Balance Identifier :

Select



Useful Life Information

Is an alternate useful life being used?*

Select



Useful Life, if "Alternate" (500 characters available)

Useful Life of Engine Family :

Select





General Information Continued

Production Information

Projected Sales (FED) :	<input type="text"/>	Projected Sales (CA) :	<input type="text"/>
Total Projected Sales :	<input type="text" value="0"/>	Estimated US Directed Vocational Production Volume :	<input type="text"/>
Estimated US Directed Tractor Production Volume :	<input type="text"/>	Estimated US Directed Parent Engine Rating Production Volume* :	<input type="text"/>
Production Start Date (MM/DD/YYYY)*	<input type="text"/>	Production End Date (MM/DD/YYYY)*	<input type="text"/>
Plant Address Identifier*+ :	<input type="text" value="Agent for Service in US
OTAQ AA Office Building
OTAQ DC Offices
NVFEL- Lab Building"/>	US Agent for Service Identifier+ :	<input type="text" value="Somoza, Sandra
Somoza, Sandra
Zaremski, Sara"/>

No.	U.S. Port of Import Name*	City*	State*	+ Add
1	<input type="text"/>	<input type="text"/>	Select <input type="text"/>	Delete

Save Form

Review & Submit



Emission Control System

General Information

Emission Control System

Models and Parts

Test Information

Adjustment Factors

Durability Information

Are any non-aftertreatment devices used on this engine family? * :

Non-Aftertreatment Devices

Non-Aftertreatment Device Type(s) * + :

- T = Internal EGR
- E = EGR - Electronic/Electric
- V = EGR - Vacuum
- C = Cooled EGR - Electronic/Electric

Non-Aftertreatment Device Type Description, if "Other" (4000 characters available)

Additional comments about these non-aftertreatment devices (4000 characters available)



Emission Control System Continued

Are any Aftertreatment Devices used on this Engine Family? * :

Aftertreatment Device (ATD) Information

Will this Engine Family be produced using Delegated Assembly? * :

Will the cost of the ATD components be included with the cost of the engine? :

List of components covered under Delegated Assembly exemption (4000 characters available)

Are Infrequent Regeneration Adjustment Factors being used? * :



Emission Control System Continued

Add a new ATD or select an ATD to edit.

Selected	ATD Name	ATD Type		
*	Pending Entry	Pending Entry	Edit	Delete

[+ Add ATD](#)

[+ Copy ATD](#)

Aftertreatment Device Details

ATD Name * :

ATD Type * :

ATD Type Description, if "Other" (4000 characters available)

Is this device capable of infrequent regeneration? * :

Cell density (cells/sq cm) :

Active Metal Details

Active Metal	Active Metal Type, if "Other"	Active Metal Loading Rate (g/Liter)	+ Add
<input type="text" value="Select"/>		<input type="text"/>	Delete



Emission Control System Continued

Substrate Details

Substrate Material* :

Select ▾

Substrate Material, if "Other" (4000 characters available)

Substrate Construction* :

Select ▾

Substrate Construction Description, if "Other" (4000 characters available)

Substrate Volume (in liters)* :

Additional comments about this ATD (4000 characters available)



Emission Control System Continued

Are Auxiliary Emission Control Devices (AECDs) used on this engine family? * : Yes ▾

Auxiliary Emission Control Device Information

Add a new AECD or select one to edit *

Selected	AECD Type		
*	Pending Entry	Edit	Delete

[+ Add AECD](#)

[+ Copy AECD](#)

Auxiliary Emission Control Device Type * : Select ▾

Auxiliary Emission Control Device Type Description, if "Other" (4000 characters available)

Auxiliary Emission Control Device Details

Purpose * (4000 characters available)

Sensed Parameters * (500 characters available)

Controlled Parameters * (500 characters available)



Emission Control System Continued

Does this engine family have any adjustable parameters? * :

Yes

Adjustable Parameter Information

Add a new Adjustable Parameter or select an Adjustable Parameter to edit.

Selected	Adjustable Parameter Name	
*	Pending Entry	Edit Delete

+ Add AdjParam

+ Copy AdjParam

Adjustable Parameter Details

Adjustable Parameter Name * :

Adjustable Parameter Description * (4000 characters available)

Save Form

Review & Submit



Models and Parts

General Information

Emission Control System

Models and Parts

Test Information

Adjustment Factors

Durability Information

Add a new model or select a model to edit.

Selected	Engine Model	Engine Code		
*	Pending Entry	Pending Entry	Edit	Delete

+ Add Model

+ Copy Model

Upload Engine Models and Parts from a CSV File

NOTE: Your Engine Family Name, Model Year, and Production Start and End Dates must be entered before uploading Engine Models from a CSV file. Engine Models uploaded from this file will replace any engine models you may have already entered on the screen.

Model Details

Engine Model* :

Engine Code* :

OEM Engine Family Name :

Intended Model Application* :



Models and Parts Continued

Engine Specification Details

Number of Cylinders* :	<input type="text"/>	Bore (mm)* :	<input type="text"/>
Stroke (mm)* :	<input type="text"/>	Rated Power (hp)* :	<input type="text"/>
Rated Speed (rpm)* :	<input type="text"/>	Maximum Torque (ft-lb)* :	<input type="text"/>
Speed at Maximum Torque (rpm)* :	<input type="text"/>	Maximum Test Speed (rpm)* :	<input type="text"/>
Torque at Maximum Test Speed (ft-lb) :	<input type="text"/>	Fuel Rate at Maximum Torque (mm3/stroke)* :	<input type="text"/>
Fuel Rate at Rated Speed (mm3/stroke)* :	<input type="text"/>		

Engine Description Details

Engine Block Arrangement* :

Engine Block Arrangement Description, if "Other" (4000 characters available)

Number of Inlet Valves Per Cylinder* : Number of Exhaust Valves Per Cylinder* :

Variable Valve Timing Indicator* :

Variable Valve Timing System Description (4000 characters available)

Variable Valve Lift Indicator* :

Variable Valve Lift System Description (4000 characters available)



Models and Parts Continued

Engine Aspiration Information

Aspiration Method* :

Aspiration Method Description, if "Other" (4000 characters available)

Number of Aspiration Devices :

Aspiration Device Configuration :

Production Information

Sales Area* :

Model Production Start Date (MM/DD/YYYY)*

Model Production End Date (MM/DD/YYYY)*

Engine Model Parts

Selected	Name	Number	Quantity	Usage Start Date	Usage End Date		
*	Pending Entry	Pending Entry	Pending Entry	Pending Entry	Pending Entry	Edit	Delete

+ Add Part

+ Copy Part



Models and Parts Continued

Engine Part Details


Part Name* :

Part Description (4000 characters available)


Part Number* :


Part Quantity* :


Part Usage Start Date (MM/DD/YYYY)*



Part Usage End Date (MM/DD/YYYY)*



 Save Form

 Review & Submit



Test Information

General Information

Emission Control System

Models and Parts

Test Information

Adjustment Factors

Durability Information

Manufacturer Test Information, if used

Add a new test or select test to edit.

Selected	Test Data Type	Engine Model/Code	Manufacturer Test No.	Test Date	Carryover Test ID No.		
*	V = Verify Carryover	Pending Entry	Pending Entry	Pending Entry	N/A	Edit	Delete

+ Add Test

+ Copy Test

Test Dataset

Test Data Type* :

C = Test data for a current engine model in this Engine Family

Verify Test Number :

Carryover Test Number :

Certification Test Information

Manufacturer Test Number :

Test Laboratory Code* :

Select

Test Date (MM/DD/YYYY)* :





Test Information Continued

Test Engine Description

Engine Model and Code*	<input type="text" value="Select"/>	Test Engine Selection Compliance Statement Indicator*	<input type="text" value="Select"/>
Test Model Application*	<input type="text" value="(Select Engine Model and Code)"/>	Engine ID Number*	<input type="text"/>
Pre-Test Engine Run Time*	<input type="text"/>		
Crankcase Emission Discharge Path*	<input type="text" value="Select"/>		

Add the fuels used for this test.

Certification Test Fuel*	Certification Test Fuel, if "Other"	+ Add
<input type="text" value="Select"/>	<input type="text"/>	Delete


Certification Test Fuel Description (4000 characters available)



Test Information Continued

Test Procedure Information

Special Test Procedure Indicator* :

Special Test Procedure Approval Date: 

Special Test Procedure Description (4000 characters available)

Transient Test Type* :

CO Waiver Indicator* :

Idle CO Waiver Indicator* :

PM Waiver Indicator* :

*Note: If collection of results are being waived the engines must still comply with the applicable standards and manufacturers must backup this statement with crankcaseEmissionDischargePathIdentifier previous emission tests, development tests, or other appropriate information, and good engineering judgement.

Device Regeneration Information

Transient Cold Start Regenerating ATD Name+ :

Transient Hot Start Regenerating ATD Name+ :

Steady-State Regenerating ATD Name+ :



Test Information Continued

Test Results

Idle CO Test Result :

Steady-State Test Fuel Consumption :


Steady-State Cycle Work (bhp-hr) :


Transient Test Fuel Consumption :

Transient Cold Start Cycle Work (bhp-hr) :

Transient Hot Start Cycle Work (bhp-hr) :

Test Comments (4000 characters available)

 Save Form

 Review & Submit



Adjustment Factor

General Information | Emission Control System | Models and Parts | Test Information | **Adjustment Factors**

Durability Information

Adjustment Factor Information, if used

Selected	Device*	Test Cycle*	Models Covered*	
*	DPF	SS = Steady-State Ramped Modal	ENGINEMODELNAME14 / ENGINECODE14	Edit Delete
	DPF	TC = Transient Cold Start	ENGINEMODELNAME14 / ENGINECODE14	Edit Delete
	DPF	TH = Transient Hot Start	ENGINEMODELNAME14 / ENGINECODE14	Edit Delete

[+ Add Adjustment Factor](#) [+ Copy Adjustment Factor](#)

Adjustment Factor Set

Aftertreatment Device Name* :

Test Cycle Type* :

Applicable test fuel(s) for this IRAF

Fuel*	Fuel, if "Other"	+ Add
<input type="text" value="U = 7-15 ppm ultra low sulfur diesel"/>	<input type="text"/>	Delete

Engine Models and Codes*+ :

Frequency* :

No.	Pollutant Name*	EFL Value (g/bhp-hr)*	EFH Value (g/bhp-hr)*	+ Add
1	<input type="text" value="PM = Particulate Matter"/>	<input type="text" value=".001"/>	<input type="text" value=".047"/>	Delete
2	<input type="text" value="NOx = Nitrogen Oxides"/>	<input type="text" value=".099"/>	<input type="text" value="1.122"/>	Delete
3	<input type="text" value="CO = Carbon Monoxide"/>	<input type="text" value=".168"/>	<input type="text" value=".063"/>	Delete
4	<input type="text" value="NMHC = Non-Methane Hydrocarbons"/>	<input type="text" value=".009"/>	<input type="text" value=".022"/>	Delete

[Save Form](#) [Review & Submit](#)



Durability Information

Durability Information

Durability Information

Selected	DF Pollutant Type	DF Determination Method	Durability Engine Family Name	
*	C = Criteria Pollutants	A = Assigned by EPA	Pending Entry	Edit Delete

[+ Add Durability Set](#)

[+ Copy Durability Set](#)

DF Pollutant Type* :

C = Criteria Pollutants

DF Determination Method* :

S = Manufacturer Service Accumulation

Durability Engine

Durability Engine Family Name* :

Durability Engine Model* :

Durability Engine Code* :

Durability Engine ID Number* :

Durability Engine Service Accumulation* :

Deterioration Factors

Pollutant Name*	Deterioration Factor Type*	Deterioration Factor Value*	+ Add
Select	Select	<input type="text"/>	Delete

[Save Form](#)

[Review & Submit](#)



MyCDX Inbox



MyCDX Inbox

- Inbox contains information about your submission
- There will be an inbox notification for the engine family dataset and a separate inbox notification for each successful document submitted

EPA United States Environmental Protection Agency

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CDX Central Data Exchange [Contact Us](#)
Logged in as SOMOZA4704 ([Log out](#))

MyCDX **Inbox** My Profile Reg Maint Submission History

965 items found; displaying 21 to 40. Page 2 of 49

<input type="checkbox"/>	<u>From</u>	<u>Subject</u>	<u>Received</u>
<input type="checkbox"/>	Verify Administrator	Submission rejected for your file upload Maint1.docx	6/29/2015 3:39:57 PM
<input type="checkbox"/>	Verify Administrator	Submission accepted for your file upload NTE1.docx	6/29/2015 3:39:56 PM
<input type="checkbox"/>	Verify Administrator	Submission Accepted. EPA Heavy-Duty Highway Engine Family Certification Informa	6/29/2015 2:43:41 PM
<input type="checkbox"/>	Verify Administrator	Submission Rejected. EPA Heavy-Duty Highway Engine Family Certification Informa	6/29/2015 2:33:56 PM
<input type="checkbox"/>	Verify Administrator	Submission Rejected. EPA HD Engine Certification Dataset GEPAH13.0ABD	6/29/2015 2:19:39 PM



MyCDX Inbox - Continued

- Clicking on the sender of a specific message will take you to a summary of the processing report.

MyCDX **Inbox** My Profile Reg Maint Submission History

Submission Rejected. EPA Heavy-Duty Highway Engine Family Certification Informa

From Verify Administrator

Date 5/4/2015 3:58:00 PM

Your recent Heavy-Duty Highway Engine Family Certification Information submission has been received by the EPA and you will be notified if any additional actions on your part are required. A Submission Processing Report and any requested dataset reports can be found on the status history page. The status history page can be reached by clicking on the link near the bottom of this Inbox message.

The following is a summary of the processing report:

Total Datasets Submitted: 1
Accepted Datasets: 0
Rejected Datasets: 1

Transaction Identifier: _61f53371-2423-41f5-aa6b-e7a06561bda3

Click [here](#) to view the status history. [Click "here"](#)

Thank you for submitting your request to Verify via CDX.

[Back to Inbox](#) [Print](#) [Delete](#)



MyCDX Inbox - Continued

- Clicking on SubmissionProcessingReport.xml.

MyCDX > Verify (CDX) Submission Status

The status of your submission is shown below:

- Submission
 - Document Name: [HeavyDutyOnHighwayEngineSubmission.xml](#)
 - Transaction Id: _61f53371-2423-41f5-aa6b-e7a06561bda3
 - Date Originally Submitted: 05/04/2015

- Status History

Date	Status	Description
Mon 05/04/2015 3:58 PM	Completed	Your recent Heavy-Duty Highway Engine Family Certification Information submission has been received by the EPA and you will be notified if any additional actions on your part are required. A Submission Processing Report and any requested dataset reports can be found on the status history page. The status history page can be reached by clicking on the link near the bottom of this Inbox message. The following is a summary of the processing report: Total Datasets Submitted: 1 Accepted Datasets: 0 Rejected Datasets: 1

- Returned Documents

- [SubmissionProcessingReport.xml](#)

Click on SubmissionProcessingReport.xml

[Back To Inbox](#)



MyCDX Inbox - Continued

- Scroll to the “Transaction Status Details” section at the bottom of the file to see why your submission was rejected.

Deterioration Factor Details

Pollutant Identifier : CO2
Deterioration Factor Type Identifier : TA
Deterioration Factor Value : 0.0

Deterioration Factor Details

Pollutant Identifier : N2O
Deterioration Factor Type Identifier : TA
Deterioration Factor Value : .020

Deterioration Factor Details

Pollutant Identifier : CH4
Deterioration Factor Type Identifier : TA
Deterioration Factor Value : .020

Transaction Status Details

Transaction Status Identifier : REJECTED

Transaction Message Text : HDH-ENG-BR104 - If Process Code (HDH-3) equals 'C' (Correction), then Test Dataset ID Number (HDH-156) is required. (Engine Model: MX13375V, Engine Code: 500HP)

Transaction Message Text : HDH-ENG-BR104 - If Process Code (HDH-3) equals 'C' (Correction), then Test Dataset ID Number (HDH-156) is required. (Engine Model: MX13375V, Engine Code: 500HP)

Transaction Message Text : HDH-ENG-BR013 - If Process Code (HDH-3) does not equal 'N' (New Submission), then Field Edits/Changes/Corrections (HDH-13) is required. Otherwise, it is not allowed.



Maintain Manufacturer Information



Maintain Manufacturer Information



About CDX
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U.S. Environmental Protection Agency

Manufacturer Information

MyCDX > Manufacturer Information

Logged in as, SOMOZA4704. Manufacturer: US EPA - EPA (Logout)

Maintain Manufacturer Profile

* = required field

+ = CTRL-click to select multiple values

Help

Manufacturer Addresses Contact Information Notification Emails Test Labs Divisions (Light-Duty Only) Alternate Manufacturers EPA Compliance Representatives

Manufacturer Information

Manufacturer Full Company Legal Name	Environmental Protection Agency	Manufacturer Code	EPA
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Industries*

Please include all applicable industries for which you will be requesting a certificate of conformity from EPA. For each selected industry, please include the first model year you expect to request a certificate.

- | | | |
|--|------------------|------|
| <input checked="" type="checkbox"/> Aircraft | First Model Year | 2008 |
| <input checked="" type="checkbox"/> All Terrain Vehicle | First Model Year | 2009 |
| <input checked="" type="checkbox"/> Alternative Fuel Converter (LDV/LDT/HDV Chassis Certified) | First Model Year | 2010 |
| <input checked="" type="checkbox"/> Heavy-Duty Highway Tractors & Vocational Vehicles | First Model Year | 2009 |
| <input checked="" type="checkbox"/> Heavy-Duty Highway Engine | First Model Year | 2010 |
| <input checked="" type="checkbox"/> Heavy-Duty Highway Evaporative | First Model Year | 2009 |

Manufacturer Comments (1000 characters available)

“Heavy-Duty Highway Engine” must be selected as an industry here and applicable addresses and contacts entered on the next two tabs in order to submit certification information.



Maintain Manufacturer Information - Continued

- To display the correct Plant Address Identifier in the General Information tab you need the Maintain Manufacturer Information Role.
 - In Maintain Manufacturer go to the Addresses tab.
 - Click “Add New Address on Address Tab” then add address you want displayed for “Plant Address Identifier”.
 - Note that only what is entered in “Address Label” is what appears in “Plant Address Identifier” in the General Information tab .
 - Click “Review and Submit”.
 - Check your CDX Inbox to see if your submission has been accepted.
 - Once your submission has been accepted you should see the Plant Name you added as the “Vehicle Assembly Plant Name” in the General Information tab.



Maintain Manufacturer Information - Continued

Maintain Manufacturer Profile

* = required field

+ = CTRL-click to select multiple values

Help

- Manufacturer
- Addresses
- Contact Information
- Notification Emails
- Test Labs
- Divisions (Light-Duty Only)
- Alternate Manufacturers
- EPA Compliance Representatives

Company Address Information

Address #6

Address Label *	<input type="text"/>	Example: Company Headquarters
Address, First Line *	<input type="text"/>	
Address, Second Line	<input type="text"/>	
Address, Third Line	<input type="text"/>	
Address, Fourth Line	<input type="text"/>	
City *	<input type="text"/>	Country * <input type="text" value="Select"/>
State	<input type="text" value="Select"/>	Zip Code <input type="text"/>
State/Province *	<input type="text"/>	Postal Code * <input type="text"/>
Active/Inactive Status *	<input type="text" value="Active"/>	

Delete This New Address

Add New Address on Address Tab

Print

< Previous

Next >

Review & Submit



Maintain Manufacturer Information - Continued

- To display the correct Agent for Service in U.S. in the General Information tab you need the Maintain Manufacturer Information Role.
 - In Maintain Manufacturer go to the Contact Information tab.
 - Click “Add Another Contact” then add the name and address of the contact you want for “US Agent for Service Identifier”.
 - In the “Contact Industry/Compliance Programs” section you must include the Industry of “Heavy-Duty Highway Engine”.
 - Note that only the Contact Name appears in “US Agent for Service Identifier” in the General Information tab.
 - Click “Review and Submit”.
 - Check your CDX Inbox to see if your submission has been accepted.
 - Once your submission has been accepted you should see the contact you added as the “Agent for Service in U.S.” in the General Information tab.



Maintain Manufacturer Information - Continued

Maintain Manufacturer Profile

* = required field

+ = CTRL-click to select multiple values

Help

- Manufacturer
- Addresses
- Contact Information
- Notification Emails
- Test Labs
- Divisions (Light-Duty Only)
- Alternate Manufacturers
- EPA Compliance Representatives

Company Contact Information

Company Contact #1

Prefix	<input type="text" value="Ms."/>	Title	<input type="text"/>
First Name *	<input type="text" value="Sandra"/>	Middle Initial	<input type="text"/>
Last Name *	<input type="text" value="Somoza"/>	Suffix	<input type="text" value="Select"/>
Contact Role *	<input type="text" value="Compliance Representative - Employee"/>	Contact Role, If Other	<input type="text"/>
Active/Inactive Status *	<input type="text" value="Active"/>		

Contact Industry/Compliance Programs

Industry*	Compliance Program(s)*	
<input type="text" value="Heavy-Duty Highway Engine"/>	<input type="text" value="All"/> <input type="text" value="Certification"/> <input type="text" value="Confirmatory Test"/>	<input type="text" value="Delete"/>

Add Additional Industry/Compliance Program(s)

Contact Address/Phone Information

Address *

Add New Address on Address Tab

Primary Email Address *

Secondary Email Address

Phone Number*	Phone Type*	
<input type="text" value="7342144704"/>	<input type="text" value="Phone"/>	<input type="text" value="Delete"/>

Add Phone Number

Add Another Contact

Print

< Previous

Next >

Review & Submit



Maintain Manufacturer Information - Continued

- To display the correct Test Laboratory Code in the Test Information tab you need the Maintain Manufacturer Information Role.
 - In Maintain Manufacturer go to the Test Labs tab.
 - Click “Add Another Test Lab” then add the information for the Test Lab you want for “Test Laboratory Code”.
 - In the “Contact Industry/Compliance Programs” section you must include the Industry of “Heavy-Duty Highway Engine”.
 - Click “Review and Submit”.
 - Check your CDX Inbox to see if your submission has been accepted.
 - Once your submission has been accepted you should see the test lab you added in the Test Information tab.



Maintain Manufacturer Information - Continued

Maintain Manufacturer Profile

* = required field

+ = CTRL-click to select multiple values

[Help](#)

Manufacturer

Addresses

Contact Information

Notification Emails

Test Labs

Divisions (Light-Duty Only)

Alternate Manufacturers

EPA Compliance Representatives

Manufacturer Test Labs

Verify Test Lab ID 1

Is this test lab owned by another manufacturer? *

No

Active/Inactive Status *

Active

Test Lab Description

Test Lab Name *

LOD

Test Lab Address *

NVFEL- Lab Building, 2565 Plymouth Rd, Ann Arbor, MI

[Add New Address](#)

High Altitude? *

No

Number of Analyst Sites *

2

Number of Climate Chambers *

1

Number of Dynos/Sheds/Test Sites *

4

Test Lab Reference

EPA Manufacturer Code of the Test Lab Owner

VERIFY Test Lab ID of the Test Lab Owner



Upload Certification Documents



Upload Certification Documents

Upload Heavy-Duty Highway Gas and Diesel Engine Certification Documents

* or ** = required field

+ = CTRL-click to select multiple values

[? Help](#)

Use this page to submit your Documents pertaining to General Data or specific Engine Family Data. You can upload multiple files at a time.

Please create individual ZIP files for larger files.

Document Applicability* :

Engine Family :

Model Year*+ :

Due to memory and file size constraints the total size of all the files to be uploaded should not exceed 100MB.

Document #1

Document Type* :

Confidentiality Status* :

Local File : No file selected.



Upload Certification Documents

- Required Certification Documents
 - ABT Credit Projection Report (if applicable)
 - AECD Reporting Template
 - Alternate Useful Life Justification
 - Alternative Fuel Conversion Data Submission Form (if applicable)
 - Delegated Assembly Instructions
 - DF Report
 - Maintenance Instructions
 - NTE Documentation
 - On-Board Diagnostics (OBD) Approval Letter
 - Sample Emission Label
 - Special Alternate Test Procedure
 - Tamper Proof Mechanism Description for Adjustable Parameters
 - Technical Description
 - Warranty Statement



Request for Certificate Process



Request for Certificate Process

- Prerequisites
 - Engine Family Dataset for the family being certified must have been accepted by the system.
 - All of the required documents must have been submitted.
 - User must have the “Verify Request for Certificate CROMERR” Signer Role.



Request for Certificate Process

The screenshot shows the EPA CDX MyCDX interface. At the top left is the EPA logo and 'United States Environmental Protection Agency'. At the top right is the CDX logo and 'CENTRAL DATA EXCHANGE'. Below the header is a navigation bar with links: CDX Home, About CDX, Recent Announcements, Terms and Conditions, FAQs, Help. On the right side of the navigation bar, it says 'Logged in as MHEESEVRF (Log out)'. The main content area is titled 'Central Data Exchange' and includes a 'Contact Us' link and 'Last Login: 8/18/2014 9:46:58 AM'. Below this is a row of tabs: MyCDX, Inbox, My Profile, Reg Maint, Role Sponsorship, and Submission History. The 'MyCDX' tab is active. Underneath, there are two sections: 'Services' and 'News and Updates'. The 'Services' section has a sub-header 'Manage Your Program Services' and a table with the following data:

Status	Program Service Name	Role(s)
	Verify-RFC: Request an Engine, Vehicle or Component Certificate of Conformity (CROMERR)	CROMERR Signer

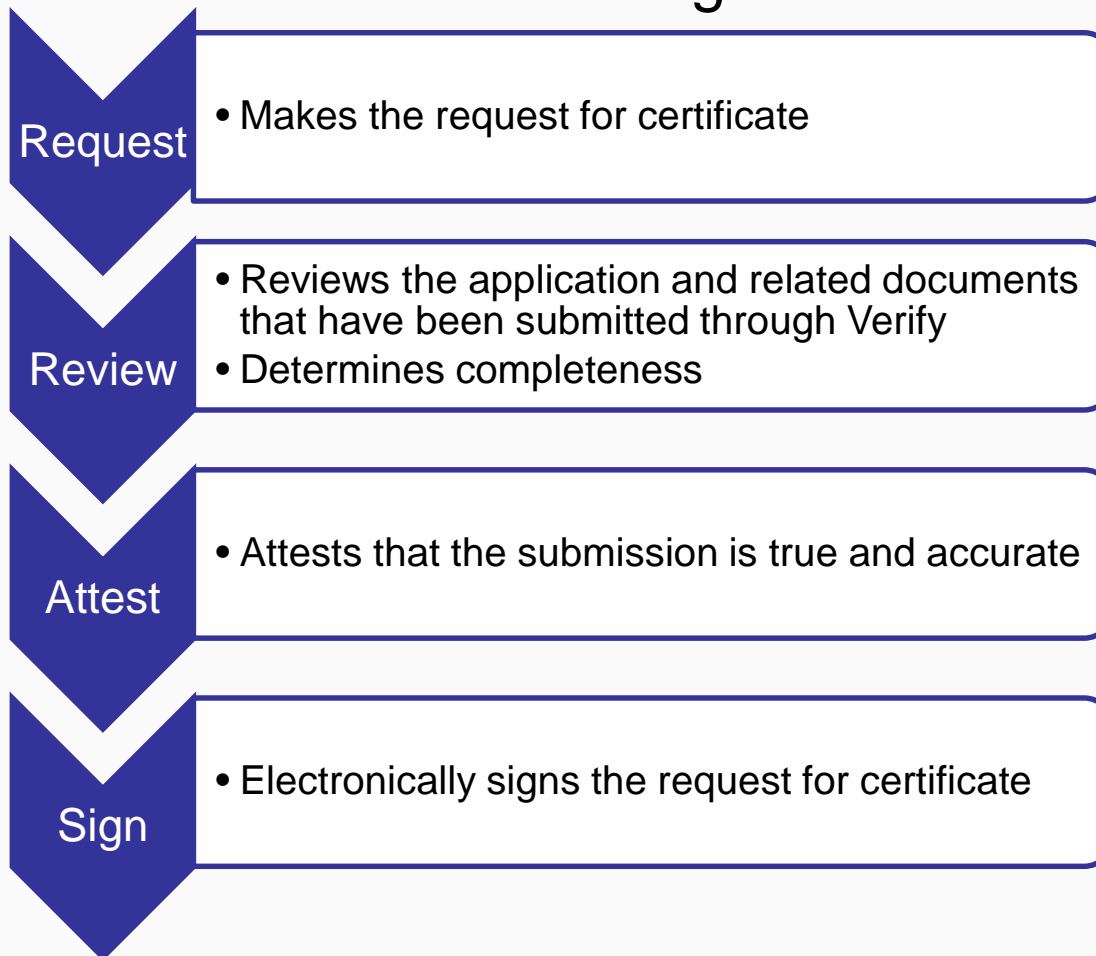
Below the table is a green button labeled 'Add Program Service'. The 'News and Updates' section shows 'No news/updates.' At the bottom of the page, there is a footer with contact information: 'CDX Help Desk: 888-890-1995 | (970) 494-5500 for callers from Puerto Rico and Guam' and a row of links: EPA Home, About CDX, Frequently Asked Questions, Privacy and Security Notice, Terms and Conditions, Contact Us.

From Your MyCDX page select the link for the CROMERR Signer Role



CROMERR Signer Role in Request for Certificate Module

The CROMERR Signer





Request for Certificate

- Go to your MyCDX account
 - Click on “CROMERR Signer”
 - Make sure the Program Service Name is “Verify-RFC: Request an Engine, Vehicle or Component Certificate of Conformity (CROMERR)”
 - For General Information Provide:
 - Process Code (Type of Certificate Request)
 - Industry (Heavy Duty Highway Engine)
 - Model Year
 - EPA Engine Family Name
 - Click “Next”



Request for Certificate - Continued

EPA VERIFY ENGINE AND VEHICLE COMPLIANCE SYSTEM

My CDX CDX Inbox Welcome, SOMOZA4704! [Logout](#)
Manufacturer: EPA

Request for Certificate

1 Identify 2 Documents 3 Statements 4 Confirm 5 eSignature 6 Complete

General Information

Process Code *

Industry *

Model Year (YYYY)*

EPA Engine Family Name

[Next](#)



Request for Certificate - Continued

- Request for Certificate Process Codes
 - Request for New Certificate
 - Request a certificate for an engine family that has not previously been certified.
 - Request for Revised Certificate
 - Request a revised certificate for a certified engine family where the information on the certificate has changed.
 - Request for CSI Update
 - Request a Certificate Summary Information (CSI) update for a certified engine family where updates have been made to the engine family dataset and/or certification documents. This option should only be selected when nothing on the certificate has changed.
 - Delete Request for Certificate
 - Delete a request for a certificate for a engine family that has not been certified.
- Request for Certificate Documents
 - While requesting a certificate you will receive a list of all documents associated with the engine family you are certifying. You must select one of each of the required document types and any additional documents associated with the engine family. If you have multiple versions of a document, make sure you are choosing the correct version.



Request for Certificate - Continued

- If you have any validation errors they will be displayed at the top of each screen.

EPA VERIFY ENGINE AND VEHICLE COMPLIANCE SYSTEM My CDX CDX Inbox Welcome, SOMOZA4704! Manufacturer: EPA Logout

Request for Certificate

1 Identify 2 Documents 3 Statements 4 Confirm 5 eSignature 6 Complete

✘ RFC-GEN-BR007 - The Model Year (RFC-4) must match the model year code (first character) embedded in the EPA Engine Family Name (RFC-5).

✘ RFC-GEN-BR001 - The Certification Information dataset for the EPA Engine Family Name (RFC-5) and Model Year (RFC-4) does not exist in Verify for the selected Industry Name (RFC-3).

General Information

Process Code *	Request for New Certificate
Industry *	Heavy-Duty Highway Engine
Model Year (YYYY) *	2016
EPA Engine Family Name	FEPAH13.0ABC

Next →



Request for Certificate - Continued

- Select all applicable certification documents and click “Next”

Review Industry Information - Click to Hide Information

Process Code	Request for New Certificate	Industry	Heavy-Duty Highway Engine
Model Year	2015	EPA Engine Family Name	FEPAH13.0ABD

Compliance Documents

Select the document(s) below by clicking the checkbox or box area. Sort the document(s) by clicking the ▲ up arrow (ascending) and the ▼ down arrows (descending). You can open the documents by clicking the file name or document title in bold text.

Filter:

File Name ▲ ▼	Document Title ▲ ▼	Document Type ▲ ▼	Date ▲ ▼
<input type="checkbox"/> AECD1.docx	US EPA General Applicability Compliance Document Data	AECD REPORTING TEMPLATE	06/29/2015
<input type="checkbox"/> DeI_assem1.docx	US EPA General Applicability Compliance Document Data	DELEGATED ASSEMBLY INSTRUCTIONS	06/29/2015
<input type="checkbox"/> ALT_Fue11.docx	US EPA General Applicability Compliance Document Data	ALT FUEL CONVERSION DATA SUBMISSION FORM	06/29/2015
<input type="checkbox"/> ABT1.docx	US EPA General Applicability Compliance Document Data	ABT CREDIT PROJECTION REPORT	06/29/2015
<input type="checkbox"/> NTE1.docx	US EPA General Applicability Compliance Document Data	NTE DOCUMENTATION	06/29/2015
<input type="checkbox"/> Label1.docx	US EPA General Applicability Compliance Document Data	SAMPLE LABEL LANGUAGE	06/29/2015
<input type="checkbox"/> warranty11.docx	US EPA General Applicability Compliance Document Data	WARRANTY STATEMENT	06/29/2015
<input checked="" type="checkbox"/> CSI-FEPAH13.0ABD.pdf	CSI-FEPAH13.0ABD.pdf	CSI REPORT	07/09/2015



Request for Certificate -Continued

- Provide the Introduction into Commerce Date, Agree to the Compliance statement and click “Review”.

EPA VERIFY ENGINE AND VEHICLE COMPLIANCE SYSTEM My CDX CDX Inbox Welcome, SOMOZA4704! Manufacturer: EPA Logout

Request for Certificate

Identify Documents **Statements** Confirm eSignature Complete

Review Industry Information - Click to Hide Information

Process Code	Request for New Certificate	Industry	Heavy-Duty Highway Engine
Model Year	2015	EPA Engine Family Name	FEPAH13.0ABD

Review Compliance Documents + Click to View Information

Compliance Statements

1. Introduction to Commerce Date
2. CARB Executive Order Number
3. I unconditionally certify that this test group/engine family/vehicle family/evaporative family complies with the requirements of its corresponding part, other referenced parts of the CFR and the Clean Air Act.* I Agree

The CARB Executive Order Number is only entered for California-Only families



Request for Certificate - Continued

- Review the information you provided. If you agree click “Sign and Submit”

Request for Certificate

Identify Documents Statements **Confirm** eSignature Complete

! RFC-COMP-BR003 - Warning: There is an issue regarding the payment of the certification fee for the EPA Engine Family Name (RFC-5/RFC-6) and Model Year (RFC-4) which may delay your certificate request. Please contact your EPA certification representative for more information.

Review & Confirm

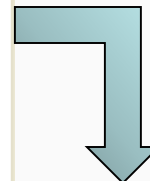
+ Industry Information

+ Compliance Documents

- Compliance Statements

1. Introduction to Commerce Date	07/20/2015
3. I unconditionally certify that this test group/engine family/vehicle family/evaporative family complies with the requirements of its corresponding part, other referenced parts of the CFR and the Clean Air Act.	I Agree

← Back **Sign and Submit**

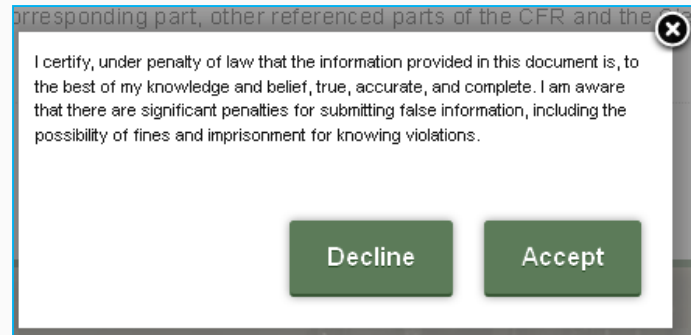


This warning will appear if Verify doesn't have a record of the required fee payment for this engine family

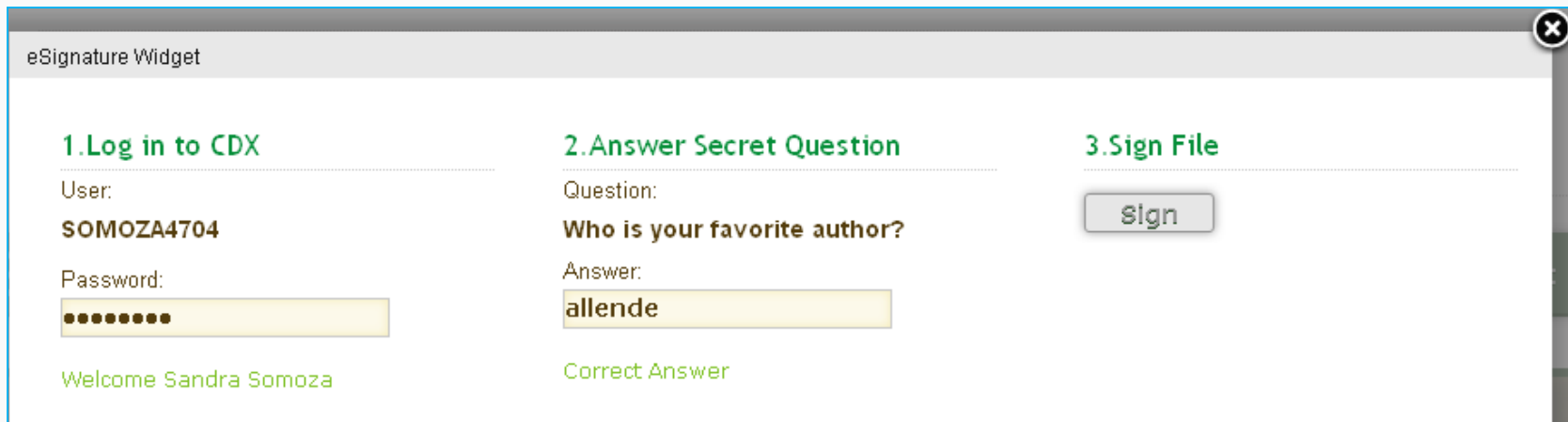


Request for Certificate - Continued

- Read the CROMERR Electronic Signature page and click “Accept” to continue.



- You will need to provide your CDX password and answer one of your secret questions to sign your Certification package. Click “Sign”.





Request for Certificate - Continued

VERIFY ENGINE AND VEHICLE COMPLIANCE SYSTEM My CDX CDX Inbox Welcome, SOMOZA4704! Manufacturer: EPA Logout

Request *for* Certificate



✔ Complete

Your Request for Certificate has been submitted to EPA.

If you have any questions, please contact EPA at (888) 890-1995 or email verifyhelp@csc.com
Please check your MyCDX Inbox for a message indicating that Verify has accepted your submission.

Submission Summary

Date	07/09/2015
Process Code	Request for New Certificate
Industry	Heavy-Duty Highway Engine
EPA Engine Family Name	FEPAH13.0ABD
Model Year	2015
CROMERR Activity ID	_22dce5e7-ff12-455a-9411-551b0630ced3
CROMERR Document ID	c0c197b5-9ede-4e63-8aed-56dd65aad3b
Transaction ID	_54b75a48-d48e-4902-a009-1be9833671a6

[New Request](#) [Go to My CDX](#)



Testing & Deployment Information



Verify Manufacturer Testing Information

- Testing period is July 16, 2015 – August 6, 2015.
- Testing website: <https://test.epacdx.net/>
- Follow-up meetings to discuss any issues/questions will be held on
 - Tuesday July 21 at 2PM EDT
 - Thursday July 23 at 2PM EDT
 - Tuesday July 28 at 2PM EDT
 - Thursday July 30 at 2PM EDT
 - Tuesday August 4 at 2PM EDT
 - Thursday August 6 at 2PM EDT
- Webinar & Call-in Information
 - <https://www.teleconference.att.com/servlet/AWMlogin>
 - Meeting Number: 8885674484
 - Participant Code: 8923082
 - Call-in Information
 - Call-in Number: 866-299- 3188
 - Conference Code: 7342144288#



Verify Manufacturer Testing Information - Continued

- Record any issues you find on the provided issue tracker spreadsheet.
- All issue trackers are due by 3PM EDT Mondays and Wednesday, but we prefer to have them sent on a daily basis so we can review any issues.
- Send issue trackers to verify@epa.gov and copy your EPA Compliance Representative.
- If you have any problems during testing contact your EPA Compliance Representative.



Deployment Information

- The Heavy Duty Highway Engine Certification module will be deployed to production on Friday August 21, 2015
- The system will be available to manufacturers starting Monday August 24, 2015
 - All new applications for certification (including carry over families) will need to be submitted via this new Verify module
 - Updates to any applications submitted prior to August 24, 2015 will need to be updated via Filemaker.



CDX Functionality

- **Dynamic controls**
 - Allows certain data elements or tabs to be grayed out or tabs to appear when certain questions are answered. For example the AC System tab is only available when you select a vehicle Regulatory Sub Category Type of “Tractor”.
- **Required fields**
 - Denotes fields that are always required. These fields are denoted with a red asterisk (*).
- **Select multiple values**
 - Field where you can select all applicable values clicking CTRL click. These fields are denoted with a blue plus sign (+).
- **Save Form**
 - Allows you to save a submission to your hard drive. You can save either a complete or partial submission.
- **Review & Submit**
 - Allows you to review your submission for any errors. Once the errors have been corrected you can submit your data.
- **CDX Inbox**
 - Inbox contains information on whether your submission was received, accepted or rejected and whether your certificate request was received, approved or denied by Verify



CERTIFICATION SUPPORT DOCUMENTATION



Certification Support Documentation

- Documentation for Heavy Duty Engines can be found at <http://epa.gov/otaq/verify/publications.htm#workdocuments>
 - Data Requirements
 - Standards Decision Table
 - Business Rules
 - XML Schema
 - Issue Tracker
 - Models and Parts CSV Import Template



Information Sources

- Verify Website: www.epa.gov/otaq/verify
- Verify Listserver:
https://lists.epa.gov/read/all_forums/subscribe?name=verify
- Manufacturer Guidance letters:
www.epa.gov/dis



QUESTIONS



APPENDIX A- REQUEST A MANUFACTURER CODE



Request a Manufacturer Code through Verify

- To submit to Verify you must have a manufacturer code existing in Verify.
- The latest instructions to get a manufacturer code are posted at <http://www.epa.gov/otaq/verify/mfr-code.htm>.
- You can contact the Verify Helpdesk at verifyhelp@csc.com for additional assistance.



CROMERR AND THE USER REGISTRATION PROCESS



Cross-Media Electronic Reporting Rule (CROMERR)

- What is CROMERR?
 - CROMERR (40 CFR Part 3) provides the framework for electronic reporting for all of the Environmental Protection Agency's (EPA) environmental regulations.
 - CROMERR establishes standards for information systems that receive reports and other documents electronically.
- Whom does it affect?
 - Regulated entities that submit reports and other documents to EPA under Title 40 of the Code of Federal Regulations.
 - States, tribes, and local governments that are authorized to administer EPA programs under Title 40.
- How does Verify implement CROMERR?
 - Verify implements CROMERR through its Request for Certificate Module Verify-RFC.
 - Applications are deemed final when a manufacturer submits a Request For Certificate (RFC).
 - An authorized “CROMERR Signer” must electronically sign that submission.



Verify/CROMERR User Roles

Functional Roles	Description
Company Authorizing Official (CAO)	Individual(s) responsible for identifying, vouching for, and managing the "Verify submitters" and "CROMERR signers". Also referred to as the "Company Approving Official"
Verify Submitter	Submitters of application information to Verify's Heavy-Duty Engine module.
CROMERR Signer	Individual(s) taking legal responsibility for that final submission and/or requesting a certificate through the Request for Certificate module. (Could be the same person as the Verify submitter.)



User Registration Process

- Assumptions:
 - All Heavy-Duty Engine submitters are currently registered Verify users.
 - A CAO was previously identified in the CROMERR package submitted to EPA
- Manufacturers will have to identify
 - Verify Submitters
 - CROMERR Signers



What Your Company Needs to do?

- For Users requesting the Verify Submitter Role, the Company Authorizing Official (CAO) will need to:
 1. Create a sponsor letter for the Verify Submitter.
 2. Complete the User Information spreadsheet with the “Heavy-Duty Engines” role selected.
 3. Mail package to the Verify Team.

- For Users requesting the Request for Certificate CROMERR Signer Role, the CAO will need to:
 1. Create a sponsor letter for the CROMERR Signer.
 2. Complete the User Information spreadsheet with the “Heavy-Duty Engines” role and CROMERR Signer role selected.
 3. Have user complete a CROMERR Electronic Signature Agreement (ESA).
 4. Mail package to the Verify Team.