

## EV-CIS Software Release Notes, Release 28.0

Key	Manufacturer Software Release Notes	Compliance Program
<b>Heavy-Duty Engines Certification Application</b>		
<b>General Information Tab Updates for Heavy-Duty Engines</b>		
EVCIS-11245, EVCIS-11246, EVCIS-11233, EVCIS-11221, EVCIS-11248, EVCIS-11475, EVCIS-11550, EVCIS-11452, EVCIS-11453, EVCIS-11679, EVCIS-11680, EVCIS-11688, EVCIS-11247, EVCIS-11868	<p>New Feature/Functionality: New and updated fields on the General Information tab for submitting data for Phase II certification.</p> <p>Description: Manufacturers will:</p> <ul style="list-style-type: none"> <li>- Be able to enter, review, and submit new and updated fields.</li> <li>- Be guided by the interface as to which data elements are required, optional, or not allowed.</li> <li>- Have their data validated to ensure conformance with new Phase II certification requirements.</li> <li>- See new and updated fields on the HD Engines CSI Report.</li> </ul>	Heavy-Duty Engines
<b>Emission Control System Tab Updates for Heavy-Duty Engines</b>		
EVCIS-11239	<p>New Feature/Functionality: Updated Prompt/Label text on the Emission Control System tab for the Adjustable Parameter Indicator field.</p> <p>Description: Manufacturers will see updated Prompt/Label text on the data entry and review screen, and on the CSI report for the Adjustable Parameter Indicator field: "Does this engine family have any adjustable parameters?"</p>	Heavy-Duty Engines
<b>Models and Parts Tab Updates for Heavy-Duty Engines</b>		
EVCIS-11242, EVCIS-11449, EVCIS-11454	<p>New Feature/Functionality: New and updated fields on the Models and Parts tab for submitting data for Phase II certification.</p> <p>Description: Manufacturers will:</p> <ul style="list-style-type: none"> <li>- Be able to enter, review, and submit new and updated fields.</li> <li>- Be guided by the interface as to which fields are required, optional, or not allowed for Phase II certification.</li> <li>- Have their data validated to ensure conformance with new Phase II certification requirements.</li> <li>- See new and updated fields on the HD Engines CSI Report.</li> </ul>	Heavy-Duty Engines
EVCIS-3008	<p>Problem: The Heavy-Duty Engine Models and Parts CSV Import Template contained erroneous data.</p> <p>Solution: Resolved the issue by deleting erroneous data in rows 29 and 30 of the CSV template.</p>	Heavy-Duty Engines
<b>Test Information Tab Updates for Heavy-Duty Engines</b>		
EVCIS-11456, EVCIS-11812, EVCIS-11481, EVCIS-11486, EVCIS-11818, EVCIS-11483, EVCIS-11482, EVCIS-11817, EVCIS-11487, EVCIS-11485, EVCIS-11484, EVCIS-11869	<p>New Feature/Functionality: New and updated fields on the Test Information tab for submitting data for Phase II certification.</p> <p>Description: Manufacturers will:</p> <ul style="list-style-type: none"> <li>- Be able to enter, review, and submit new and updated fields.</li> <li>- Be guided by the interface as to which data elements are required, optional, or not allowed.</li> <li>- Have their data validated to ensure conformance with new Phase II certification requirements.</li> <li>- See new and updated fields on the HD Engines CSI Report.</li> </ul>	Heavy-Duty Engines
<b>Adjustment Factors Tab Updates for Heavy-Duty Engines</b>		
EVCIS-11241, EVCIS-11255	<p>New Feature/Functionality: Updated HD Engines Adjustment Factors tab for entering and submitting an Infrequent Regeneration Adjustment Factor (IRAF) for CO2 for Phase II certification.</p> <p>Description: Manufacturers will:</p> <ul style="list-style-type: none"> <li>- Be guided by the user interface as to when an IRAF of CO2 is required.</li> <li>- Be able to enter, submit, review, and see on the CSI Report CO2 for Pollutant Name.</li> <li>- Have their IRAF Pollutant Name data validated to ensure conformance with Phase II certification requirements.</li> </ul>	Heavy-Duty Engines

EVCIS-11868	<p>New Feature/Functionality: Updated HD Engines business rules to ensure Adjustment Factors information submitted conforms with Phase II requirements.</p> <p>Description: Manufacturers will have their data validated to ensure conformance with new Phase II certification requirements.</p>	Heavy-Duty Engines
<b>Durability Information Tab Updates for Heavy-Duty Engines</b>		
EVCIS-11869	<p>New Feature/Functionality: Updated HD Engines business rules to ensure Durability Information submitted conforms with Phase II requirements.</p> <p>Description: Manufacturers will have their data validated to ensure conformance with new Phase II certification requirements.</p>	Heavy-Duty Engines
<b>Modified Calculations for Heavy-Duty Engines</b>		
EVCIS-11753	<p>New Feature/Functionality: Updates to the Useful Life Calculation to include Heavy Heavy-Duty Otto Cycle engines for all vehicles (certified for vehicles above 33,000 lbs GVWR).</p> <p>Description: Manufacturers will see Useful Life calculation results Heavy Heavy-Duty Otto Cycle engines for all vehicles (certified for vehicles above 33,000 lbs GVWR) in their submission processing report.</p>	Heavy-Duty Engines
EVCIS-11753	<p>New Feature/Functionality: New GHG Useful Life Calculation for HD Engines.</p> <p>Description: Manufacturers will see GHG Useful Life calculation results for HD Engines in their submission processing report.</p>	Heavy-Duty Engines
EVCIS-11754, EVCIS-11805	<p>New Feature/Functionality: Updates to the HD Engines Steady-State Test Calculations for Phase II certification requirements.</p> <p>Description: Manufacturers will have IRAFs applied for CO2 in the Steady-State Test calculations. Test results will be present in their Submission Processing Report.</p>	Heavy-Duty Engines
EVCIS-11804, EVCIS-11808	<p>New Feature/Functionality: Updates to the HD Engines Transient Test Calculations for Phase II certification requirements.</p> <p>Description: Manufacturers will have IRAFs applied for CO2 in the Transient Test calculations. Test results will be present in their Submission Processing Report.</p>	Heavy-Duty Engines
<b>Heavy-Duty Engine Pass/Fail Evaluation</b>		
EVCIS-11804, EVCIS-11805	<p>New Feature/Functionality: Updates to Pass/Fail determination for HD Engines Phase II certification.</p> <p>Description: CO2 Family Certification Levels (FCLs) will always be required in Phase II certification, unless the manufacturer is a small manufacturer not participating in GHG Averaging, Banking, and Trading (ABT), or the manufacturer is an alternative fuel converter. Pass/Fail determination will be based on CO2 Standards unless the manufacturer is participating in GHG ABT. For manufacturers participating in GHG ABT, Pass/Fail determination will be based on CO2 FCLs.</p>	Heavy-Duty Engines
<b>Heavy-Duty Engines Standards Decision Table</b>		
EVCIS-11749	<p>New Feature/Functionality: Updated HD Engines Standards Decision Table</p> <p>Description: Manufacturers will have their submission validated to ensure that the Engine Family matches a record in the Standards Decision Table for Phase II certification.</p>	Heavy-Duty Engines
<b>Heavy-Duty Engines Submodule</b>		
<b>Engine Fuel Map Data Submodule</b>		

EVCIS-11231, EVCIS-11286, EVCIS-11287, EVCIS-11423, EVCIS-11426, EVCIS-11462, EVCIS-11463, EVCIS-11716, EVCIS-11922, EVCIS-11923	<p>New Feature/Functionality: An Engine Fuel Map Data submodule for entering and submitting Engine Fuel Map data and applying it to multiple engine families for Phase II certification.</p> <p>Description: Manufacturers will:</p> <ul style="list-style-type: none"> <li>- See a link on the Heavy-Duty Highway Gas and Diesel Engines Home Page for the Engine Fuel Map Data submodule.</li> <li>- Be able to enter and select data and upload a .CSV file.</li> <li>- See data driven fields and be guided by the interface as to which fields are required, optional, or not allowed.</li> <li>- See the Engine Family List is filtered to show the most recent statuses.</li> <li>- See a warning message before data is deleted.</li> <li>- See red error messages when submitting data without populating all required fields.</li> <li>- Have their data validated to ensure conformance with Phase II certification requirements.</li> <li>- Be able to submit their data and review the information entered on the Submission Summary Page.</li> </ul>	Heavy-Duty Engines
<b>Heavy-Duty Engines Request for Certificate and Certificate of Conformity</b>		
<b>Certification Document Updates for Heavy-Duty Engines</b>		
EVCIS-11829	<p>New Feature/Functionality: Updated requirements for certification documents for Phase II certification.</p> <p>Description: Manufacturers will no longer be required to submit Not to Exceed (NTE) Documentation as a CROMERR document for Phase II certification.</p>	Heavy-Duty Engines
<b>Certificate of Conformity Updates for Heavy-Duty Engines</b>		
EVCIS-11828	<p>New Feature/Functionality: Updated HD Engines Certificate of Conformity for small manufacturers.</p> <p>Description: Small manufacturers will see the expiration date of an HD Engines Certificate of Conformity to be no later than 12/31/2021 when not certifying to the greenhouse gas standards per 1036.108.</p>	Heavy-Duty Engines
EVCIS-12051	<p>New Feature/Functionality: Updated HD Engines Certificate of Conformity for sub-families.</p> <p>Description: Manufacturers will see a statement on their HD Engines Certificate of Conformity when declaring sub-families.</p>	Heavy-Duty Engines
<b>Heavy-Duty Vehicles Certification Application</b>		
<b>General Information Tab Updates for Heavy-Duty Vehicles</b>		
EVCIS-10458, EVCIS-10460, EVCIS-10480, EVCIS-10673, EVCIS-10678, EVCIS-10679, EVCIS-10459, EVCIS-10653, EVCIS-10786, EVCIS-10481, EVCIS-10482, EVCIS-10474, EVCIS-10507, EVCIS-10705, EVCIS-10646, EVCIS-10639, EVCIS-10514, EVCIS-10509, EVCIS-10505, EVCIS-11601, EVCIS-10475, EVCIS-11317, EVCIS-10478	<p>New Feature/Functionality: New and updated fields on the General Information tab for submitting data for Phase II certification.</p> <p>Description: Manufacturers will:</p> <ul style="list-style-type: none"> <li>- Be able to enter, review, and submit new and updated fields.</li> <li>- See data driven fields and be guided by the interface as to which data elements are required, optional, or not allowed.</li> <li>- See new Prompt/Label text.</li> <li>- Have their data validated to ensure conformance with new Phase II certification requirements.</li> <li>- See new and updated fields on the HD Vehicles CSI Report.</li> </ul>	Heavy-Duty Vehicles
<b>Emission Control System Tab Updates for Heavy-Duty Vehicles</b>		

EVCIS-10477, EVCIS-10483, EVCIS-10704, EVCIS-10764, EVCIS-10706, EVCIS-10703	<p>New Feature/Functionality: New and updated fields on the Emission Control System tab for submitting data for Phase II certification.</p> <p>Description: Manufacturers will:</p> <ul style="list-style-type: none"> <li>- Be able to enter, review, and submit new and updated fields.</li> <li>- Be guided by the interface as to which fields are required, optional, or not allowed.</li> <li>- Have their data validated to ensure conformance with new Phase II certification requirements.</li> <li>- See new and updated fields on the HD Vehicles CSI Report.</li> </ul>	Heavy-Duty Vehicles
<b>Special Technologies Tab Updates for Heavy-Duty Vehicles</b>		
EVCIS-10767, EVCIS-10837, EVCIS-10839, EVCIS-11217, EVCIS-10836, EVCIS-10840, EVCIS-10899, EVCIS-10831, EVCIS-10875, EVCIS-10876, EVCIS-10766	<p>New Feature/Functionality: New and updated fields on the Special Technologies tab for submitting data for Phase II certification.</p> <p>Description: Manufacturers will:</p> <ul style="list-style-type: none"> <li>- Be able to enter, review, and submit new and updated fields.</li> <li>- Be able to enter and submit a value up to 999.9 for GEM Result B value.</li> <li>- Be guided by the interface as to which data elements are required, optional, or not allowed.</li> <li>- Have their data validated to ensure conformance with new Phase II certification requirements.</li> <li>- See new and updated fields on the HD Vehicles CSI Report.</li> </ul>	Heavy-Duty Vehicles
<b>Emission Modeling Data Tab Updates for Heavy-Duty Vehicles</b>		
EVCIS-10943, EVCIS-11131, EVCIS-11111, EVCIS-11015, EVCIS-11016, EVCIS-11130, EVCIS-11340, EVCIS-10689, EVCIS-10879, EVCIS-10996, EVCIS-10998, EVCIS-10878, EVCIS-11017, EVCIS-11831, EVCIS-10842, EVCIS-11130	<p>New Feature/Functionality: New and updated fields on the Emission Modeling Data tab for submitting data for Phase II certification.</p> <p>Description: Manufacturers will:</p> <ul style="list-style-type: none"> <li>- Be able to enter, review, and submit new and updated fields.</li> <li>- Be guided by the interface as to which data elements are required, optional, or not allowed.</li> <li>- See that EV-CIS assigns the Wheel Weight Reduction and Non-Wheel Weight Reduction values for Phase II.</li> <li>- Have their data validated to ensure conformance with new Phase II certification requirements.</li> <li>- See new and updated fields on the HD Vehicles CSI Report.</li> <li>- No longer be able to see or submit Tire data on the Emission Modeling Data tab, review screen, and CSI Report.</li> </ul>	Heavy-Duty Vehicles
<b>Air Conditioning System Tab Updates for Heavy-Duty Vehicles</b>		
EVCIS-10477, EVCIS-10483, EVCIS-10704, EVCIS-10770, EVCIS-10764, EVCIS-10706, EVCIS-10765, EVCIS-10800, EVCIS-10703	<p>New Feature/Functionality: New and updated fields on the Air Conditioning (A/C) System tab for submitting data for Phase II certification.</p> <p>Description: Manufacturers will:</p> <ul style="list-style-type: none"> <li>- Be able to enter, review, and submit new and updated fields.</li> <li>- Be guided by the interface as to which fields are required, optional, or not allowed.</li> <li>- Have their data validated to ensure conformance with new Phase II certification requirements.</li> <li>- See new and updated fields on the HD Vehicles CSI Report.</li> </ul>	Heavy-Duty Vehicles
<b>Heavy-Duty Vehicles Emission Standard and Design Standard Validation</b>		
EVCIS-11212	<p>New Feature/Functionality: Added Phase II emission standards for tractors, vocational vehicles, and vocational vehicles custom chassis.</p> <p>Description: Manufacturers will have their data validated to ensure it conforms to the Phase II standards.</p>	Heavy-Duty Vehicles

EVCIS-11672, EVCIS-11657, EVCIS-11652	<p>New Feature/Functionality: Design specification Indicator on the HDV General Information tab.</p> <p>Description: Manufacturers will:</p> <ul style="list-style-type: none"> <li>- Have their data validated based on their selection for the Design Specification Indicator according to Phase II certification standards.</li> <li>- Be guided by the interface as to which fields are required, optional, or not allowed based on the value selected for Design Specification Indicator.</li> </ul>	Heavy-Duty Vehicles
EVCIS-11215	<p>New Feature/Functionality: Pass/Fail determination for design specifications.</p> <p>Description: Manufacturers will see a Pass/Fail determination in their Submission Processing Report for design specifications when using design provisions in lieu of Greenhouse Gas Emissions Model (GEM).</p>	Heavy-Duty Vehicles
<b>Heavy-Duty Vehicles Submodules</b>		
<b>Axle Power Loss Map Data Submodule</b>		
EVCIS-10489, EVCIS-10619, EVCIS-10620, EVCIS-10622, EVCIS-10623, EVCIS-10624, EVCIS-10625, EVCIS-10627, EVCIS-10809, EVCIS-10902, EVCIS-10965, EVCIS-10975, EVCIS-11013, EVCIS-11092, EVCIS-11149, EVCIS-11922, EVCIS-11923	<p>New Feature/Functionality: An Axle Power Loss Map Data submodule for entering and submitting Axle data and applying it to multiple engine families for Phase II certification.</p> <p>Description: Manufacturers will:</p> <ul style="list-style-type: none"> <li>- See a link on the Heavy Duty Highway Tractor and Vocational Vehicle Certification Home Page for the Axle Power Loss Map Data submodule.</li> <li>- Be able to enter and select data and upload a .CSV file.</li> <li>- See data driven fields and be guided by the interface as to which fields are required, optional, or not allowed.</li> <li>- See the Vehicle Family List is filtered to show the most recent statuses.</li> <li>- See a warning message before data is deleted.</li> <li>- See red error messages when submitting data without populating all required fields.</li> <li>- See business rule validation text on the Submission Summary Page.</li> <li>- Have their data validated to ensure conformance with Phase II certification requirements.</li> <li>- Be able to submit their data and documents and review the information entered on the Submission Summary Page.</li> </ul>	Heavy-Duty Vehicles
<b>CdA Aerodynamic Data Submodule</b>		
EVCIS-10966, EVCIS-10969, EVCIS-11031, EVCIS-11033, EVCIS-11034, EVCIS-11103, EVCIS-11119, EVCIS-11149, EVCIS-11200, EVCIS-11202, EVCIS-11203, EVCIS-11407, EVCIS-11922, EVCIS-11923	<p>New Feature/Functionality: A CdA Aerodynamic Data submodule for entering and submitting CdA data and applying it to multiple engine families for Phase II certification.</p> <p>Description: Manufacturers will:</p> <ul style="list-style-type: none"> <li>- See a link on the Heavy Duty Highway Tractor and Vocational Vehicle Certification Home Page for the CdA Aerodynamic Data submodule.</li> <li>- Be able to enter and select data.</li> <li>- See data driven fields and be guided by the interface as to which fields are required, optional, or not allowed.</li> <li>- See the Vehicle Family List is filtered to show the most recent statuses.</li> <li>- See a warning message before data is deleted.</li> <li>- See red error messages when submitting data without populating all required fields.</li> <li>- See business rule validation text on the Submission Summary Page.</li> <li>- Have their data validated to ensure conformance with Phase II certification requirements.</li> <li>- Be able to submit their data and review the information entered on the Submission Summary Page.</li> </ul>	Heavy-Duty Vehicles
<b>Powertrain Test Data Submodule</b>		

<p>EVCIS-11103, EVCIS-11201, EVCIS-11224, EVCIS-11228, EVCIS-11276, EVCIS-11280, EVCIS-11281, EVCIS-11285, EVCIS-11149, EVCIS-11620, EVCIS-11777, EVCIS-11806, EVCIS-11922, EVCIS-11923</p>	<p>New Feature/Functionality: A Powertrain Test Data submodule for entering and submitting Powertrain Test data and applying it to multiple engine families for Phase II certification.</p> <p>Description: Manufacturers will:</p> <ul style="list-style-type: none"> <li>- See a link on the Heavy Duty Highway Tractor and Vocational Vehicle Certification Home Page for the Powertrain Test Data submodule.</li> <li>- Be able to enter and select data.</li> <li>- See data driven fields and be guided by the interface as to which fields are required, optional, or not allowed for Phase II certification.</li> <li>- See the Vehicle Family List is filtered to show the most recent statuses.</li> <li>- See a warning message before data is deleted.</li> <li>- See red error messages when submitting data without populating all required fields.</li> <li>- Have their data validated to ensure conformance with Phase II certification requirements.</li> <li>- Be able to submit their data and review the information entered on the Submission Summary Page.</li> </ul>	<p>Heavy-Duty Vehicles</p>
<p><b>Security and Integration for Heavy-Duty Submodules</b></p>		
<p>EVCIS-10629, EVCIS-10630</p>	<p>New Feature/Functionality: Integration of the Heavy-Duty (HD) Engines and Vehicles submodules with EV-CIS Certification pages and CDX applications.</p> <p>Description: Manufacturers will be able to:</p> <ul style="list-style-type: none"> <li>- Navigate between the HD Certification pages and the HD Phase II submodules and vice versa.</li> <li>- Navigate between the HD Phase II submodules and the EV-CIS Home page.</li> <li>- Navigate between the HD Phase II submodules and the Central Data Exchange (CDX) applications.</li> <li>- Navigate between the HD Phase II submodules and the EV-CIS Quick Links.</li> </ul>	<p>Heavy-Duty Engines, Heavy-Duty Vehicles</p>
<p><b>Tire Data Submodule</b></p>		
<p>EVCIS-11103, EVCIS-11464, EVCIS-11469, EVCIS-11470, EVCIS-11472, EVCIS-11476, EVCIS-11477</p>	<p>New Feature/Functionality: A Tire Data submodule for entering and submitting Tire data and applying it to multiple engine families for Phase II certification.</p> <p>Description: Manufacturers will:</p> <ul style="list-style-type: none"> <li>- See a link on the Heavy Duty Highway Tractor and Vocational Vehicle Certification Home Page for the Tire Data submodule.</li> <li>- Be able to enter and select data and upload a .CSV file.</li> <li>- See red error messages when submitting data without populating all required fields.</li> <li>- Have their data validated to ensure conformance with Phase II certification requirements.</li> <li>- Be able to submit their data and review the information entered on the Submission Summary Page.</li> </ul>	<p>Heavy-Duty Vehicles</p>
<p><b>Transmission Data Submodule</b></p>		

<p>EVCIS-11039, EVCIS-11103, EVCIS-11121, EVCIS-11123, EVCIS-11133, EVCIS-11149, EVCIS-11204, EVCIS-11206, EVCIS-11207, EVCIS-11208, EVCIS-11922, EVCIS-11923</p>	<p>New Feature/Functionality: A Transmission Data submodule for entering and submitting Transmission data and applying it to multiple engine families for Phase II certification.</p> <p>Description: Manufacturers will:</p> <ul style="list-style-type: none"> <li>- See a link on the Heavy Duty Highway Tractor and Vocational Vehicle Certification Home Page for the Transmission Test Data submodule.</li> <li>- Be able to enter and select data and upload a .CSV file.</li> <li>- See data driven fields and be guided by the interface as to which fields are required, optional, or not allowed for Phase II certification.</li> <li>- See the Vehicle Family List is filtered to show the most recent statuses.</li> <li>- See a warning message before data is deleted.</li> <li>- See red error messages when submitting data without populating all required fields.</li> <li>- Have their data validated to ensure conformance with Phase II certification requirements.</li> <li>- Be able to submit their data and review the information entered on the Submission Summary Page.</li> </ul>	<p>Heavy-Duty Vehicles</p>
<p><b>Heavy-Duty Vehicles Certification Process</b></p>		
<p><b>Certification Summary Information Report for Heavy-Duty Vehicles</b></p>		
<p>EVCIS-11141, EVCIS-11253, EVCIS-11696, EVCIS-11234, EVCIS-11137, EVCIS-11860</p>	<p>New Feature/Functionality: New process for completing HD Vehicle Phase II certification application.</p> <p>Manufacturers will:</p> <ul style="list-style-type: none"> <li>- Submit their certification dataset for a vehicle family, setting their Manufacturer Certification Application Complete Indicator to 'No'.</li> <li>- See a CSI Report with certification dataset data only upon successful submission of a draft certification dataset.</li> <li>- Submit their CdA, Axle, Transmission, Powertrain, and Tire data.</li> <li>- Resubmit their certification dataset for a vehicle family, setting their Manufacturer Certification Application Complete Indicator to 'Yes'.</li> <li>- Have their certification application dataset for a vehicle family validated to check for Axle, CdA, Powertrain, and Transmission submodule data.</li> <li>- See a CSI Report with Axle, CdA, Powertrain, and/or Transmission data upon successful submission of a final certification dataset.</li> </ul>	<p>Heavy-Duty Vehicles</p>
<p><b>Heavy-Duty Vehicles Request for Certificate and Certificate of Conformity</b></p>		
<p><b>Certification Document Updates for Heavy-Duty Vehicles</b></p>		
<p>EVCIS-11218</p>	<p>New Feature/Functionality: New certification document for Phase II certification.</p> <p>Description: Manufacturers will be required to submit a High-Efficiency A/C Compressor Engineering Analysis document under certain conditions.</p>	<p>Heavy-Duty Vehicles</p>
<p><b>Certificate of Conformity Updates for Heavy-Duty Vehicles</b></p>		
<p>EVCIS-10833, EVCIS-11654, EVCIS-10833, EVCIS-11654</p>	<p>New Feature/Functionality: Updated HD Vehicles Certificate of Conformity for design specification and advanced technologies.</p> <p>Description: Manufacturers will:</p> <ul style="list-style-type: none"> <li>- See a statement on their HD Vehicles Certificate of Conformity when using advanced technologies.</li> <li>- See the applicable design statement on the HD Vehicles Certificate of Conformity when using design provisions.</li> </ul>	<p>Heavy-Duty Vehicles</p>