EV-CIS Software Release Notes, Release 21.0

Key	Manufacturer Software Release Notes	Industry Sector
Certificate Status Management Module		
EVCIS-53 EVCIS-462 EVCIS-461 EVCIS-478	New Feature/Functionality: Manufacturer Submission Validation and Notifications for Void, Revoked, or Suspended NRCI Certificates - Nonroad Compression-Ignition (NRCI) submissions associated with void, revoked, or suspended certificates will be validated to determine whether they can be processed. - NRCI Manufacturers will receive CDX inbox notifications when an action has been taken by EPA to void, revoke, or suspend a certificate.	Certificate Status Management Module
Common Services Maintenance and Enhancements		
EVCIS-124	Problem: Received error when selecting document with two consecutive spaces or with a special character in file name in RFC Module. Solution: Manufacturers will be able to resubmit documents with special characters and two consecutive spaces once the characters were removed.	Common Services
Cross Industry Services Module		
EVCIS-36	New Feature/Functionality: Update Introduction to Commerce Date for NRCI Description: NRCI Manufacturers will be able to update the Introduction to Commerce Date in the Cross Industry Services module.	Cross Industry Services Module
Heavy-Duty On-Highway Gas and Diesel Engines Maintenance and Enhancements		
EVCIS-2600	Problem: Verify erroneously sets Idle CO Waiver Indicator value for a carryover test when clicking on HDH Test Information tab Solution: Implemented a code fix to resolve the issue with the incorrect Idle CO Waiver Indicator value being set in the XML file for a carryover test when clicking on HDH Test Information tab.	HD Engines
EVCIS-554	New Feature/Functionality: Alternative Fuels Converter manufacturers are not be required to enter information for certain fields for HD Engines. Description: the following data elements & documents should not be required for Alt Fuel Converters: - Family Emission Limit Name - Family Emission Limit Value - Infrequent Regeneration-Capable Device Indicator - DPF Flow Type - Active Metal Details section - Document - OBD Approval	HD Engines
EVCIS-103, EVCIS-150	New Feature/Functionality: Changes to emission test results and cycle work for each of the three test cycles were implemented for more precise certification level calculations. Description: The following changes were made for more precise calculations: 1. The emissions test results (units of g/hP-hr for on-highway) were changed to six significant digits in each module for both the cold and hot start transient test cycles and the steady-state cycle . 2. Cycle work for each of the three test cycles in the On-highway module were changed to 6 significant digits.	HD Engines
Heavy-Duty Tractors and Vocational Vehicles Maintenance and Enhancements		
VERIFY-27507, EVCIS-3858, EVCIS-136	New Feature/Functionality: Capability to upload a CSV file with tire data. Description: Manufacturers are now able to upload a CSV file with tire data for the Heavy-Duty Tractors and Vocational Vehicles module.	HD Vehicles

Light-Duty Maintenance and Enhancements		
VERIFY-28070	Problem: Light-Duty Evaporative standards should display on the CSI Report and Manufacturer Application. Solution: Modified the way the Light-Duty Evaporative standards are displayed on the Manufacturer Application User Interface and the CSI Report.	Light-Duty
EVCIS-300	Problem: Manufacturers did not have Rejected Submissions for LDFE Subconfiguration Sales Info for identical Testgroup/Carline for same subconfiguration. Solution: A unique constraint was applied in the FE Label XML Schema so that Manufacturers receive Rejected LDFE Subconfiguration Sales Info submissions for identical Testgroup/Carline for same subconfiguration.	Light-Duty
EVCIS-138	Modified Feature/Functionality: Light-Duty Certification Documents Validation Description: Light-Duty Electric Vehicle Manufacturers will not be required to submit the OBD and Durability Procedure Carry-Over Notification documents in order to submit an RFC.	Light-Duty
EVCIS-135	New Feature/Functionality: New value added to Engine Type (TG-28) for HCCI Engine. Description: A new value, HCCI - Homogeneous Charge Compression Ignition, was added to Engine Type (TG-28).	Light-Duty
EVCIS-113	Problem: 3 new Test Result/Emission Name (IT-28) need to be added to the system with corresponding Business Rule changes. Description: The following values were added with corresponding business rule changes: 1. 'CO2-COMB' (Combined Carbon Dioxide for HD 2b/3 Vehicles Only). It should only be used in IUVP Test Info. 2. 'N2O-COMB' (Combined Nitrous Oxide for HD 2b/3 Vehicles Only). 3. 'METHANE-COMB' (Combined CH4 for HD 2b/3 Vehicles Only).	Light-Duty
EVCIS-72	New Feature/Functionality: Addition of "Fuel Ethanol Volume Percent" field to Fuel Properties. Description: Added a new field to the Light-Duty Fuel Properties module called "Fuel Ethanol Volume Percent". - Datatype is N(4,1) - Min value = 0.0; Max value = 100.0 - It will only be required for any ethanol fuel type	Light-Duty
EVCIS-427	New Feature/Functionality: CAFE/GHG Calc report updated with GHG Production Volume Weight. Description: Manufacturers will receive a calculatrion report modified so that the GHG "Test Vol" column header on the CAFE/GHG calculation PDF report is replaced with "Weight" and the column populated with data from the newly added database columns.	Light-Duty
EVCIS-381	Problem: Business rule does not exist to check if model year matches the first character in Evap family name for a Light Duty Evap family submission. Solution: Modifications were done to the business rules to check if model year matches the first character in Evap family name for a Light Duty Evap family submission.	Light-Duty

Light-Duty IUVP Maintenance and Enhancements		
EVCIS-440	Problem: IUVP BR LD-IUVP-IT-BR017 does not check for the Test Group mentioned in the submission but does a lookup in the database, so the rule does not fire correctly. Solution: Modified IUVP BR LD-IUVP-IT-BR017 so that it fires correctly.	Light-Duty IUVP
EVCIS-536	Problem: Evap Full Useful Life was being incorrectly displayed on FFV certificates. Solution: Modifications were made so that the correct Evap Full Useful Life being displayed on FFV certificates	Light-Duty IUVP
Nonroad Compression-Ignition (NRCI) Manufacturer Submissions		
EVCIS-11 EVCIS-169 EVCIS-516	Modified Feature/Functionality: Business Rules Validation Description: Manufacturer information submitted for NRCI and Locomotive will be validated with the new dataset status codes to ensure conformance with data requirements.	Nonroad Compression-Ignition
EVCIS-30	Modified Feature/Functionality: Upload NRCI Certification Documents Description: Manufacturers will see "Certification Documents" instead of "Compliance Documents" in the Upload NRCI Certification Documents module.	Nonroad Compression-Ignition
EVCIS-222	New Feature/Functionality: Certification Based on CARB Executive Order Indicator Description: Manufacturers will see the Certification Based on CARB Executive Order Indicator field in their dataset submission and CSI Report, and it will be validated to ensure conformance with data requirements.	Nonroad Compression-Ignition
EVCIS-590	Modified Feature/Functionality: NRCI Finalize Screen Description: Manufacturers will see an "Upload Certification Documents" button instead of "Upload Compliance Documents" button on the NRCI Finalize screen.	Nonroad Compression-Ignition
EVCIS-18	Modified Feature/Functionality: NRCI Request for Certificate Description: NRCI Manufacturers will no longer be able to Request a Certificate from the NRCI certification information submission module.	Nonroad Compression-Ignition
Nonroad Compression-Ignition (NRCI) Request for Certificate (RFC)		
EVCIS-14 EVCIS-20 EVCIS-37 EVCIS-45	New Feature/Functionality: The certification process, which is accessible via a separate Verify module on the Central Data Exchange (CDX), includes the ability for NRCI Manufacturers to: - Request a new certificate (RFC). - Select appropriate documentation to be included in the submission for the request for certificate. - Review the appropriate Compliance Questions and Statements. - Complete CROMERR signing ceremony after submitting a request for certificate. - Request a revised certificate. - Request an update to the Certification Summary Information (RUC). - Delete a request for a certificate that is still pending.	Nonroad Compression-Ignition
EVCIS-42 EVCIS-47 EVCIS-158	New Feature/Functionality: Business Rules Validation Description: RFC and RUC data validation will take place in real time so NRCI Manufacturers can ensure that the appropriate information was entered.	Nonroad Compression-Ignition
EVCIS-52	New Feature/Functionality: Pending Dataset Warning and Deletion Notifications Description: NRCI Manufacturers will receive a notification after 15 days (and every 5 days thereafter) indicating that they have a pending dataset for a previously certified Engine Family for which they have not submitted an RFC/RUC. NRCI Manufacturers will receive a notification after 30 days that their pending dataset (MY 2018 or later) has been deleted.	Nonroad Compression-Ignition

Nonroad Compression Ignition Maintenance and Enhancements		
EVCIS-288, EVCIS-286, EVCIS-283, EVCIS-269, EVCIS-96	New Feature/Functionality: Modifications to the Nonroad Compression Ignition module to get more precise certification level calculations. Description: The following changes were made to the Nonroad Compression Ignition module: 1. The emissions test results (units of g/kW-hr for NRCI) were changed to six significant digits for both the cold and hot start transient test cycles and the steady-state cycle 2. Three data elements were added in the NRCI module for cycle work over the cold and hot start transient cycles as well as the steady-state cycle to 6 significant digits 3. Corrections were made to the combined transient certification levels. The following Business Rules were added to validate submissions: 1. If Discrete or Ramped Modal (159) equals 'RMT' (Ramped Modal Testing), then Steady-State Cycle Work (248) is required. Otherwise, it is not allowed. 2. If Transient Test Required Indicator (160) equals 'Y' (Yes), then Transient Hot Start Cycle Work (249) and Transient Cold Start Cycle Work (250) are required. Otherwise, they are not allowed.	Nonroad Compression-Ignition
EVCIS-3851	New Feature/Functionality: Nonroad Compression Ignition CSI report and calculations Description: Updates to the Nonroad Compression Ignition CSI Report and Calculations involve the following, 1. Including Combined Adjusted Test Result under Certification levels for Transient Test results for New tests (not carryover) 2. Modifying scaling of Hot and Cold adjusted test results to Standard + 1 3. Ensuring that steady state and transient test results do not have negative values. They should be set to zero if it is a negative number.	Nonroad Compression-Ignition
EVCIS-512	Problem: Corrected enumeration descriptions were required for Power categories 8 and 9. Description: Enumerations 8 and 9 for Power Category (18) have to updated. For Power Category 8, the Manufacturer application was updated to 8 = 130≤kW<225. For Power Category 9, the Manufacturer Application, business rules and database were updated to 9 = 130≤kW≤560.	Nonroad Compression-Ignition
Nonroad Spark Ignition Maintenance and Enhancements		
VERIFY-29083	New Feature/Functionality: New value added to Fuel Temperature Profile for NRSI Evap Components Diurnal Test Info. Description: "Large SI Fuel Tank" was added to the list of values for NRSI Evap Components Diurnal Test Information. Business rules will validate submissions.	Nonroad Spark-Ignition
VERIFY-28782	New Feature/Functionality: Large Spark Ignition Business Rules Modifications. Description: Modifications were made to the business rule for Large SI to not allow the useful life requirement when LSI manufacturers certify under Part 90 Phase 1.	Nonroad Spark-Ignition

VERIFY-28778	New Feature/Functionality: Modifications to the Nonroad Spark Ignition Evaporative Components Diurnal Test Information. Description: 1. "Portable Marine Fuel Tank" was added to the Marine Fuel Tank Type (NRSI-EV-57.5) list of values. 2. Business rules modifications were implemented related to the Marine Fuel Tank Type (NRSI-EV-57.5): From: NRSI-EV-BR078a/b/c - When characters 6 through 9 of Evaporative Family Name (NRSI-EV-7) equal 'MDRN', if Design Based Certification Indicator (NRSI-EV-25) equals 'No', then Marine Fuel Tank Type (NRSI-EV-57.5) is required, otherwise it is not allowed. To: NRSI-EV-BR078a/b/c - When characters 6 through 9 of Evaporative Family Name (NRSI-EV-7) equal 'MDRN', then Marine Fuel Tank Type (NRSI-EV-57.5) is required, otherwise it is not allowed.	Nonroad Spark-Ignition
VERIFY-28776	New Feature/Functionality: 'Noncommercial Fuels Provision Indicator' is a required field on the Emission Control tab for Large Spark Ignition. Description: A new noncommercial fuel provision indicator data element was added on the NRSI Large SI "Emission Control" tab, displayed on the screen as: "Is Approval of Noncommercial Fuel Provisions in 1048.625 Requested?" with a Yes/No drop-down selection list.	Nonroad Spark-Ignition
VERIFY-28774	New Feature/Functionality: Modification to Nonroad Spark Ignition Business Rules. Description: A Business Rule was added so that manufacturers are required to enter a comment when process code = update/correction for the evaporative family dataset	Nonroad Spark-Ignition
VERIFY-25013, EVCIS-2937	New Feature/Functionality: New value added to "Running Loss Strategy" drop-down menu. Description: "Wintertime equipment - running loss control strategy not required per 1060.104(a)(4)" was added as a selection to the existing drop-down menu of the "Running Loss Strategy" field (NRSI-EV-74) on the NRSI Evaporative Equipment/Vessel - Test Information screen.	Nonroad Spark-Ignition
EVCIS-562	New Feature/Functionality: "Maintenance Instructions" are a required certification document type. Description: The document type "Maintenance Instructions" was added as a required certification document type for Large Spark Ignition and Marine Spark Ignition engines.	Nonroad Spark-Ignition
EVCIS-555	New Feature/Functionality: New "Noncommercial Fuel Adjustment Instructions" Document Type. Description: Manufacturers will be required to submit a new document type called "Noncommercial Fuel Adjustment Instructions" for Large Spark Ignition if the Noncommercial Fuel Provision indicator is yes.	Nonroad Spark-Ignition