

CONFIRMATORY TEST

TITLE:

Applicability: Light-Duty Vehicles, Heavy-Duty Engines

5.2.0 Manufacturer Staff submits Manufacturer Confirmatory Test and Test Vehicle/Engine Info to CCD Computer: The manufacturer submits data to the CCD computer either by entering it interactively via a web browser form, attaching/uploading an XML file(s) to a web page, or sending an XML file(s) directly from the manufacturer's computer to the CCD computer. This data will describe a specific vehicle/engine configuration and its corresponding manufacturer test information. This information will be used by the CCD Analyst to decide whether to have a confirmatory test performed at EPA on the specified vehicle/engine configuration.

Inputs: Mfr confirmatory test info
Test Vehicle/Engine info
Outputs: Submitted mfr. Conf. Test info
Submitted Test Vehicle/Engine info
Submission archive copy
Mechanisms: Manufacturer Staff
Controls: Confirmatory test decision template

5.2.1 Validation of Manufacturer Confirmatory Test and Test Vehicle/Engine Info by CCD Staff or CCD Computer: The CCD computer will validate the information that was entered by the manufacturer, verifying that all required fields have been entered, values are of the pre-defined data type, and that foreign keys reference valid, existing records in the database. The CCD Analyst will further review information for content errors. In Step 5.3.0 a receipt/error report is sent to the manufacturer listing any errors that the manufacturer must correct.

Inputs: Submitted Mfr. Conf. Test info
Submitted Test Vehicle/Engine info
Updated mfr. Conf. Test info
Updated Test Vehicle/Engine info
Outputs: Validated Mfr. Conf. Test info
Validated Test Vehicle/Engine info
Receipt and Error report
CCD request for Mfr. Conf. Test and/or vehicle/engine info update
Mechanisms: CCD Computer/ staff
Controls: Validation rules

5.2.2 CCD Staff or Mfr submits Mfr. Conf. Test and/or Engine/Vehicle Info Updates to CCD Computer: The manufacturer or CCD Staff (preferably the former) submits manufacturer confirmatory test and/or engine/vehicle information updates to the CCD computer either by entering it interactively via a web browser form, attaching/uploading an XML file(s) to a web page, or sending an XML file(s) directly from the manufacturer's computer to the CCD computer. Manufacturers or CCD staff may modify the information that has been entered for a confirmatory test decision or confirmatory testing with the exception of primary keys until a confirmatory test performed by the vehicle configuration is used to support a Certificate of Conformity. CCD staff will receive email notification of updates.

Inputs: Receipt and Error report
CCD request for Mfr. Conf. Test and/or vehicle/engine info update
Mfr. Conf. Test info
Test Vehicle/Engine info

Outputs: Submission archive copy
Email notification to CCD Analyst
Updated Test Vehicle/Engine info
Updated mfr. Conf. Test info

Mechanisms: CCD Staff
Mfr

Controls: Modification rules

5.2.4 Set Random Test Selection Flag: The CCD computer runs a program which determines whether to randomly select the data set based on the Adjustable Random Rate and sets the Random Test Selection Indicator. The CCD Analyst is notified whether or not the vehicle/engine is selected randomly.

Inputs: Validated mfr. Conf. Test info
Validated Test Vehicle/Engine info

Outputs: Random Test Selection Indicator
CCD Cert Analyst Notification

Mechanisms: CCD Computer

Controls: Adjustable Random rate

5.3.0 Decision to Test: Based on all the submitted, validated information which can be accessed by the CCD Cert Analyst via web browser, a decision is made as to whether the vehicle configuration should be selected for testing. A preview meeting log will be available to CCD Cert Analysts for recording notes about meeting outcomes. Log records will only be identified by the manufacturer's code and the time and date of entry into the log. The contents of this log will be accessible on the 'Decide to Test' web form, either by hyperlink or actually

embedded into the form. The CCD Cert Analyst exercises their discretion and may over-ride either random selections or decisions previously made at the time of the Certification Preview Meeting. The CCD Cert Analyst sets the Test Decision Indicator and selects which test procedure(s) will be used. On rare occasions the CCD Cert Analyst will set the 'Mfr report suppression indicator' which will inhibit the distribution of the preliminary confirmatory test reports to the manufacturer. Once these things are complete the CCD Cert Analyst will click on the 'Finish' button which will trigger notifications to both LOD and the manufacturer representative, as well as an initial request for the manufacturer to submit LOD confirmatory test information into the CCD Computer. The CCD Cert Analyst may also request the manufacturer to submit updates to the confirmatory test information and/or the vehicle/engine information in the CCD computer.

Inputs: Validated Mfr. Conf. Test info
Validated Test Vehicle/Engine info
Assigned CCD Analyst
Preview Test Decision
Random Test Selection Indicator
CCD Cert Analyst Notification

Outputs: Testing Decision Indicator
Deciding CCD Analyst
Date of decision
Chosen Test procedures
CCD request for Mfr. Conf. Test and/or vehicle/engine info update
Mfr notification
LOD Conf. Test info request
LOD notification
Mfr report suppression indicator

Mechanisms: CCD Cert Analyst

Controls: Decision criteria

5.4.0 LOD submits the Confirmatory Test Schedule Info to CCD Computer: Once LOD staff determines the projected test date for a vehicle/engine which has been chosen for testing, they enter that information into the CCD computer via web browser. If they find any problems with the information provided up to that point they can request it be changed.

Inputs: Validated mfr. Conf. Test info
Validated Test Vehicle/Engine info
Testing Decision Indicator
Deciding CCD Analyst

Outputs: Date of decision
Chosen Test procedures
LOD test date info
Submitted test date assignment date
Submitted test date assigner
Submitted projected test date

Mechanisms: LOD

Controls: Workload
Equipment availability
Vehicle delivery date

5.4.0.1 Validate Confirmatory Test Schedule Info: The CCD computer will validate the information that was entered by the LOD test scheduler, verifying that all required fields have been entered, values are of the pre-defined data type, and that foreign keys reference valid, existing records in the database.

Inputs: Submitted test date assignment date
Submitted test date assigner
Submitted projected test date

Outputs: Validated confirmatory test schedule info
Receipt and error report

Mechanisms: CCD Computer

Controls: Validation rules

5.4.1 Notify Manufacturer: LOD assignment of projected test date triggers notifications to the corresponding manufacturer contact person(s) and CCD Analyst(s). The manufacturer notification will be made by looking up the manufacturer code on the contact list and sending a message to all representatives listed for the manufacturer. In addition to stating the projected LOD test date, and information about the test decision, the notification will include a request for the manufacturer to submit supplemental test information needed for confirmatory testing.

Inputs: LOD request for Mfr. Conf. Test and/or vehicle/engine info update
Validated Confirmatory Test Schedule info
Validated mfr. Conf. Test info
Validated Test Vehicle/Engine info
Testing Decision Indicator
Deciding CCD Analyst
Date of decision
Chosen Test procedures

Outputs: Archived copy of notification

Mfr test date notification
CCD Analyst test date notification
LOD Conf. Test info request
Mfr decision to update Mfr Conf. Test and/or vehicle/engine info
Mechanisms: CCD Computer
Controls: Contact list

5.5.0 Manufacturer Submits LOD Confirmatory Test Info to CCD Computer: The manufacturer submits LOD confirmatory test information to the CCD computer either by entering it interactively via a web browser form, attaching/uploading an XML file(s) to a web page, or sending an XML file(s) directly from the manufacturer's computer to the CCD computer. This data will further describe a specific vehicle configuration and is necessary to perform testing at EPA. This info will only be submitted for vehicle/engines selected for EPA confirmatory testing.

Inputs: LOD Conf. test info (including paired data and shift schedules)
Outputs: Submitted LOD Conf. test info
Archive copy of manufacturer submission
Mechanisms: Mfr Staff
Controls: Template

5.5.1 Validate LOD Confirmatory Test Info: The CCD computer will validate the LOD confirmatory test information that was entered by the manufacturer, verifying that all required fields have been entered, values are of the pre-defined data type, and that foreign keys reference valid, existing records in the database. The CCD Analyst and LOD staff will likely further review information for content errors as the process continues.

Inputs: Submitted LOD confirmatory test info
Updated LOD conf. Test info and/or mfr conf test and/or vehicle/engine info
Outputs: Validated LOD Conf. test info (including Manufacturer paired data for LOD analysis)
Receipt and error report
Mechanisms: CCD Computer
Controls: Validation Rules

5.5.2 Validated LOD Confirmatory Test Info sent to LOD: The CCD Computer will send to LOD all the validated data necessary for LOD to conduct a confirmatory test. This will be done by electronically sending a text file (formatted to LOD's specifications) to a location of LOD's choosing. Optionally, this could also

function more like the current CFEIS set-up where an LOD program extracts data from Oracle tables on the CCD Computer.

Upon receipt of this information LOD may request that modifications to the data be made.

Inputs: Validated LOD Conf. test info
Outputs: LOD copy of validated LOD Conf. test info
LOD update request of LOD Conf. Test info
Mechanisms: CCD Computer

5.5.1.1 Mfr or CCD Staff submits LOD Confirmatory Test Info updates to CCD

Computer: The manufacturer or CCD Staff submits LOD confirmatory test information updates to the CCD computer either by entering it interactively via a web browser form, attaching/uploading an XML file(s) to a web page, or sending an XML file(s) directly from the manufacturer's computer to the CCD computer. CCD staff or manufacturers may modify the information that has been entered for LOD confirmatory testing with the exception of primary keys up to the time a confirmatory test is performed by EPA. If values are modified that affect calculations, then recalculations should automatically occur (e.g. system miles for fuel economy calculations). CCD Analyst and LOD are notified of any updates submitted by the manufacturer.

CCD Analysts should be electronically notified either via email or perhaps some sort of message board once any updates are performed.

Inputs: LOD update request of LOD Conf. Test info
LOD Conf. test info
Receipt and error report
Outputs: Submission archive copy
Email notification of update to CCD analyst
Email notification of update to LOD
Updated LOD conf. Test info and/or mfr conf test and/or
veh/engine info
Mechanisms: Mfr
CCD Staff
Controls: Mod. Rules

5.7.0 LOD Conducts OBD Pre-test check: LOD conducts an on-board diagnostics (OBD) pre-test check on the vehicle for which a confirmatory test is to be performed.

Inputs: Test vehicle
Outputs: Pre-test OBD check info
Mechanisms: LOD
Controls: Checklist

- 5.7.1 LOD submits OBD Pre-test check Info to LOD Computer: LOD Staff submits the OBD pre-test check information to the LOD computer. This information is stored for future analysis by CCD Staff.

Inputs: Pre-test OBD check info
Outputs: Submitted Pre-test OBD check info
Submission archive copy
Mechanisms: LOD
Controls: Pre-test OBD check template

- 5.7.1.5 Validate OBD Check Info: The LOD computer will validate the OBD pre-test or post-test check information that was entered by LOD Staff, verifying that all required fields have been entered, values are of the pre-defined data type, and that foreign keys reference valid, existing records in the database. A receipt/error report is sent to LOD listing any errors that need to be fixed.

Inputs: Submitted Pre-test OBD check info
Submitted Post-test OBD check info
Updated OBD check info
Outputs: Validated OBD check info
Receipt and error report
Mechanisms: LOD Computer
Controls: Validation rules

- 5.7.2 LOD submits OBD Check Info updates to LOD Computer: LOD submits OBD pre-test or post-test check information updates to the LOD computer. LOD staff may modify the information that has been entered for OBD pre-test and post-test checks with the exception of primary keys at any time.

Inputs: OBD check info
Receipt and error report
Outputs: Updated OBD check info
Submission archive copy
Mechanisms: LOD
Controls: Mod. Rules

- 5.7.3 LOD Transfers OBD Check Info to CCD: LOD Staff transfers the OBD Check

information to a place where the CCD Computer can pick it up in a format agreed upon by both LOD and CCD – once it's determined the test is valid and the data is usable.

Inputs: Validated OBD check info
Outputs: Transferred OBD check info
Receipt and error report
Mechanisms: LOD
Controls: Transfer format

5.7.4 Pick up LOD OBD Check Info: The CCD Computer picks up the LOD OBD Check information, parses the data, and then stores it.

Inputs: Transferred LOD OBD Check info
Outputs: Picked up LOD OBD Check info
Mechanisms: CCD Computer
Controls: Location and format details

5.7.5 LOD OBD Check Info Validated by CCD Computer: The CCD computer will validate the OBD Check information that was obtained from LOD, verifying that all required fields have been entered, values are of the pre-defined data type, and that foreign keys reference valid, existing records in the database.

Inputs: Picked up LOD OBD Check info
Outputs: Validated LOD OBD Check info
Receipt and error report
Mechanisms: CCD Computer
Controls: Validation rules

5.7.5.1 OBD Check Info updated in LOD Computer: If a problem is found with the LOD OBD Check information, then LOD Staff will submit updates to the LOD computer. The process of transferring, picking up and validating the data would then be repeated with the new data set. The old data set would be deleted. A receipt/error report will be sent to LOD identifying any errors they need to correct.

Inputs: LOD OBD Check info
Receipt and error report
Outputs: Updated LOD OBD Check info
Mechanisms: LOD
Controls: Template

5.8.0 LOD conducts Confirmatory Test: LOD conducts the confirmatory test on the test

vehicle/engine.

Inputs: Pre-test OBD check info
Validated LOD Conf. Test info
Test Vehicle/Engine
Validated test Vehicle/Engine Info
Validated Mfr Conf. Test info

Outputs: Tested vehicle
Test packet
Raw Conf. Test results

Mechanisms: LOD

Controls: Test procedures
QC checklist

5.8.1 LOD Conducts Post-test OBD Check: LOD may conduct an optional post-test OBD check on the tested vehicle.

Inputs: Tested vehicle

Outputs: Post-test OBD check info

Mechanisms: LOD

Controls: Checklist

5.8.2 LOD submits Post-test OBD Check Info updates to LOD Computer: LOD Staff submits the OBD post-test check information to the LOD computer. This information is stored for future analysis by CCD Staff.

Inputs: Post-test OBD check info

Outputs: Submitted Post-test OBD check info

Mechanisms: LOD

Controls: Post-test OBD template

5.8.3 LOD Performs Basic Confirmatory Test Results Validation: LOD Staff performs basic checks of the confirmatory test results to determine whether the test is valid and whether the data appears to be usable. In some cases, it may be the desire of LOD to prevent the confirmatory test results reporting not be distributed to the manufacturer by setting the 'Mfr report suppression indicator'.

Inputs: Raw Conf. Test results

Outputs: Basic validated Conf. Test results info
Basic Conf. Test results validation indicator
Mfr report suppression indicator

Mechanisms: LOD

Controls: Checklist

5.8.4 LOD Transfers Confirmatory Test Results Info to CCD: LOD Staff transfers the confirmatory test results information to a place where the CCD Computer can pick it up in a format agreed upon by both LOD and CCD – once it's determined the test was valid and the data is usable. The elapsed time between the basic confirmatory test validation performed by LOD staff and the transferring of the data to the CCD Computer should be within 30 minutes or less.

Inputs: Basic validated raw Conf. Test results info
Basic Conf. Test results validation indicator
Updated LOD Conf. Test results info

Outputs: LOD Conf. Test results info
Receipt and error report

Mechanisms: LOD

Controls: Transfer format

5.8.5 Pick up LOD Confirmatory Test Results Info: The CCD Computer picks up the LOD confirmatory test results information, parses the data, and then stores it.

Inputs: LOD Conf. Test results information
Outputs: Picked up LOD Conf. Test results information
Mechanisms: CCD Computer
Controls: Location and format details

5.8.6 LOD Confirmatory Test Results Info Validated by CCD Computer: The CCD computer will validate the confirmatory test result information that was obtained from LOD, verifying that all required fields have been entered, values are of the pre-defined data type, and that foreign keys reference valid, existing records in the database.

Inputs: Picked up LOD Conf. Test Results info
Outputs: Validated LOD Conf. Test Results info
Receipt and error report

Mechanisms: CCD Computer

Controls: Validation rules

5.8.6.1 Confirmatory Test Results Info updated in LOD Computer: If a problem is found with the LOD confirmatory test result information, then LOD Staff will submit updates to the LOD computer. The process of transferring, picking up and validating the data would then be repeated with the new data set. The old data set

would be deleted. A receipt/error report will be sent to LOD identifying any errors they need to correct.

Inputs: LOD Confirmatory test results info
Receipt and error report
Outputs: Updated LOD Conf. Test results info
Mechanisms: LOD
Controls: Template

5.8.7 Round Confirmatory test Emission results: The CCD computer rounds the confirmatory test emission results based on ASTM and CCD rounding rules for certification level and fuel economy calculations.

Inputs: Validated LOD Confirmatory test results info
Outputs: Rnd emission test results (5? decimals)
Rnd emission test results (3? decimals)
Mechanisms: CCD Computer
Controls: CCD & ASTM rounding rules

5.8.8 Calculate and Round MPG: Using the rounded emission test results (likely 3 decimals), the CCD Computer calculates and rounds the miles per gallon (MPG) values to one decimal based on the carbon balance fuel economy formula using current LOD measured fuel properties.

Inputs: Rnd emission test results (3? decimals)
LOD measured fuel properties
Outputs: Rnd MPG values (1? decimals)
Mechanisms: CCD Computer
Controls: Carbon balance FE calculation

5.8.9 System miles calculated by CCD Computer: Using the test vehicle's initial odometer reading, '+/-' sign, and odometer correction factor (all entered earlier by the manufacturer in 5.5.0), the CCD Computer calculates the system miles for the vehicle.

Inputs: Test start odometer reading (from LOD)
+, - sign
Odometer correction factor
Outputs: Calculated system miles
Mechanisms: CCD Computer
Controls: System miles calculation

5.8.10 Adjust MPG Values: Using the rounded MPG values (1 decimal) and the calculated system miles, the CCD Computer adjusts the MPG values based on the MPG adjustment rules.

Inputs: Calculated system miles
Rnd MPG values (1? Decimal)
Outputs: Adjusted Rnd MPG values
Mechanisms: CCD Computer
Controls: MPG adjustment rules

5.11.0 Confirmatory Test Certification levels calculated by CCD Computer: Using the rounded confirmatory test results, validated LOD confirmatory test results info, and corresponding standards and deterioration factors (DF's), the CCD Computer will calculate the confirmatory test certification levels.

Inputs: Rnd emission test results (5? Decimal)
Validated LOD Conf. test results info
EPA emission standard
Deterioration factors (see Cert process model)
Outputs: Confirmatory test certification levels info
Mechanisms: CCD Computer
Controls: Process rules

5.12.0 VERIFY Confirmatory Test Info saved to CCD Computer: The CCD Computer will save all the validated LOD confirmatory test results information, rounded emission test results, rounded and adjusted MPG values, calculated certification level information and OBD Check information that are considered to be VERIFY test information.

Inputs: Confirmatory test certification levels info
Validated LOD Conf. Test Results info
Validated LOD OBD Check info
Rnd MPG values (1? Decimal)
Adj Rnd MPG values (1? Decimal)
Calculated system miles
Rnd emission test results (5? Decimal)
Outputs: Archived VERIFY info
Mechanisms: CCD Computer

5.11.1 Confirmatory Test Reports generated by CCD Computer: Using the VERIFY test result information and the validated LOD confirmatory test result information, the CCD Computer will generate a two part confirmatory test report. The first part is

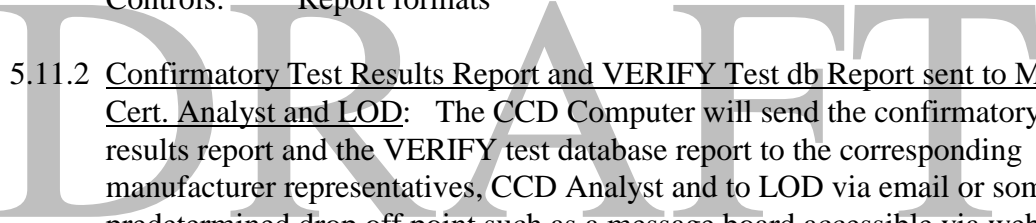
similar to the confirmatory test results report now generated for manufacturers by LOD. In addition, the rounded and adjusted MPG values and calculated system miles would also appear. A copy of this report should be archived. The second part of the report is the VERIFY test information including certification levels, standards and deterioration factors (DFs). This information will be stored in the VERIFY database, therefore, an archived copy of this report is not necessary.

Inputs: Rnd MPG values (1? Decimal)
 Adj Rnd MPG values (1? Decimal)
 Calculated system miles
 Confirmatory test cert levels info
 Validated LOD Conf. test results info
 Rnd emission test results (5? Decimal)

Outputs: Conf. Test results report
 Conf. Test results report archive copy
 VERIFY test db report

Mechanisms: CCD Computer

Controls: Report formats



5.11.2 Confirmatory Test Results Report and VERIFY Test db Report sent to Mfr, CCD Cert. Analyst and LOD: The CCD Computer will send the confirmatory test results report and the VERIFY test database report to the corresponding manufacturer representatives, CCD Analyst and to LOD via email or some other predetermined drop off point such as a message board accessible via web browser. If the 'Mfr report suppression indicator' is set, then the reports shall not be distributed to the manufacturer.

Inputs: Conf. Test results report
 VERIFY test db report
 Mfr report suppression indicator

Outputs: Sent Conf. Test results report
 Sent VERIFY test db report

Mechanisms: CCD Computer

Controls: Contact list
 Timing rules

5.9.0 LOD Performs a Quality Control Check on Basic Validated Raw Conf. Test Results Info: Taking into consideration their validation rules, LOD Staff performs a second -- more thorough -- quality control check for the confirmatory test. If problems are found, an update to the LOD confirmatory test results information may be necessary (5.8.6.1) and the process from that point on would need to be repeated.

Confirmatory Test Process Model Description for Verify

Inputs: Test conditions
Basic validated raw Conf. Test results info
VERIFY db report

Outputs: Quality-checked LOD Conf. Test info
QC check result
LOD Conf. Test results and/or vehicle/engine info change request

Mechanisms: LOD

Controls: Validation rules

5.10.0 Confirmatory Test Data Packet saved: If the quality check confirms a valid set of confirmatory test information, then LOD Staff saves their test report in the LOD Computer and files the paper test packet containing the supporting documentation for the vehicle/engine.

Inputs: Test packet
Quality-checked LOD Conf. Test Results info

Outputs: Archived test data
Archived test packet

Mechanisms: LOD Computer/Staff

5.9.1 Quality Control Results submitted to CCD Computer: After the quality control is completed, the LOD Staff locates the corresponding confirmatory test information on the CCD Computer via web browser and updates the quality control check attribute to indicate whether the test is officially determined to be acceptable or not. CCD and LOD may determine the test is valid with no QC exceptions, valid with QC exceptions (a “variant” test), or a void test.

Inputs: QC check result
Validated LOD Conf. test results info

Outputs: QC check indicator

Mechanisms: LOD

Controls: Template

5.9.2 Quality Control Check status report sent to Mfr. And CCD Cert Analyst by CCD Computer: Using just the basic identifiers for a confirmatory test that has been performed and the quality control check indicator, the CCD Computer generates a small report that will communicate the quality control status to the corresponding manufacturer representative(s) and CCD Analyst(s). The report will be sent via email and will also be accessible on the manufacturer representative's and CCD Analyst's message board via web browser.

Inputs: QC check indicator

Validated LOD Conf. test results info
Outputs: QC Check Status report
Mechanisms: CCD Computer
Controls: Contact list
Timing rules

5.9.3 VERIFY Confirmatory Test Results Info Updated/Deleted in CCD Computer:

After the QC Result is submitted to the CCD Computer in 5.9.1, an internal procedure that updates the QC Status (currently known as the 'disposition code') for the confirmatory test in the CCD Computer shall automatically be triggered. It is possible this activity may result in the total deletion of the specified confirmatory test results information in the CCD Computer.

Inputs: QC check indicator
Validated LOD Conf. test results info
Outputs: Updated VERIFY conf. test results info
Mechanisms: CCD Computer
Controls: Modification rules

5.13.0 Decide Retest Status: A CCD Analyst and manufacturer representative may decide to retest the vehicle after reviewing the confirmatory test results report and VERIFY test database report. If it's a void emission or fuel economy test, or a failed emission test, then a decision to retest will be made by a combination of LOD and CCD. If a fuel economy value differs from the EPA result by more than +/- 3% then the manufacturer representative or CCD Analyst has the option to request a retest. If a retest is to occur, then the process repeats either starting with the LOD staff scheduling a new test (5.4.0), LOD conducting a new test (5.8.0), or the manufacturer (or CCD staff) updating LOD confirmatory test information in the CCD Computer. The LOD staff person or CCD Analyst should also update the corresponding record to reflect the retest status, retest reasons, etc... via the web browser.

Inputs: Conf. Test results report
VERIFY test db report
Outputs: Retest decision comment
Testing Complete Indicator
Mechanisms: CCD Analyst/Mfr/LOD
Controls: Retest rules

5.14.0 CCD/Mfr/LOD/ EPA security signs Vehicle Release form : Once a vehicle has completed all testing and is ready to be released back to the manufacturer, the Vehicle Release Form is signed by LOD staff, CCD Analyst, manufacturer

representative and EPA Security.

Inputs: Test vehicle info
Outputs: Signed vehicle release form
Mechanisms: CCD/Mfr/LOD/ EPA security
Controls: Vehicle release form

5.15.0 Vehicle Removed from NVFEL by Mfr: After the Vehicle Release Form has been signed by all the necessary people the vehicle is removed from NVFEL by the manufacturer.

Inputs: Signed Vehicle release form
Outputs: Removed vehicle
Mechanisms: Mfr

5.7.6 OBD Check Info Queried: The OBD Check information is of interest to CCD Analysts. In order to review and analyze the data they will they will select, view and extract it from the CCD Computer via web browser.

Inputs: Query criteria
Validated OBD check info
Outputs: Selected OBD Check info
Mechanisms: CCD Analyst
Controls: Template

5.16.0 Query Paired Data Info: The Paired Data information is of interest to CCD Analysts. In order to review and analyze the data they will select, view and extract it from the CCD Computer via web browser.

Inputs: Query criteria
Validated LOD confirmatory test info (including paired data)
Outputs: Selected Paired Data info
Mechanisms: CCD Analyst/LOD Staff
Controls: Template