E-Cert Business Rules

Version 1.1

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Introduction

This document provides the business rules for the California Air Resources Board Light Duty Vehicle Electronic Certification (E-Cert) system.

Registration

1. Manufacturers

Manufacturers must register with California Air Resources Board's (CARB) certification staff to certify vehicles.

- Once registered, a CARB manufacturer code will be given. This code is used to certify applications.
- A manufacturer cannot register users or certify applications without a CARB manufacturer code.

2. Users

Users must register with CARB's certification staff to use the E-Cert Application Loader.

- Contact your certification representative to register for an account.
    - Once registered, a password will be e-mailed to you.
- Users who are the primary contacts will receive updates regarding application submissions. All other users will not receive application submissions updates.
- E-Cert has two types of accounts: **"CERT"** and **"EO"**.
    - **CERT**: These users can submit applications to E-Cert. Primary **"CERT"** users will also receive updates regarding ALL application submissions.
    - **EO**: This user will receive the actual signed Executive Order. This user cannot submit applications to E-Cert.
- A user can have an activity type of both **"CERT"** and **"EO"**.
- A user can only submit applications for the contact type and activity type which they are registered for.
- Manufacturers may have multiple user accounts.
- Manufacturers can have multiple **"CERT"** users for a given contact type and activity type.
- Manufacturers can have multiple primary **"CERT"** users.
- Manufacturers can have ONLY ONE **"EO"** user for a given contact type and activity type.

XML Application Rules

1. The first submission of any application must have an application type of **"NEW"**.
   - E-Cert only accepts one **"NEW"** application.
     i. An email confirming a successful load of the **"NEW"** application is sent to **"CERT"** users.
     ii. Any subsequent **"NEW"** applications for the same test group will be rejected.
2. Subsequent application submissions must include one of the following application types:
   - **Correction (COR)**: Pertains to applications with corrections to the initial application submitted.
   - **Running Change (RC)**: Production changes (both emission and non-emission related) to the original certified vehicle/engine configurations. Only submit running changes that require a new Executive Order.
   - **Field Fix (FF)**: A way to modify/change in-use certified vehicle/engine configurations (both emission and non-emission related). Only submit field fixes that require a new Executive Order.
3. Only one test group per XML file/application.

E-Cert Application Loader Rules

1. File Naming Convention

The system will only accept files which follow the naming convention described below:

*CARBMFRCODE*_LDV_*TESTGROUP*.xml

     i. *CARBMFRCODE*
- This is the manufacturer code that is assigned to each manufacturer by CARB's certification staff.

    ii. _LDV_
- This will remain the same for each file.

    iii. *TESTGROUP*
- This is the name of the test group for the particular application.

The only portions of the file name that change are the ones identified by *red italics*. An example file name is ABCD_LDV_FABXVD9.3CDZ.xml

2. System
- An XML file must be a valid XML file with no syntactical errors.
- An XML file must successfully validate against the most recent XML schema for the vehicle category.

3. Users
- The user must be registered prior to submitting an application.
- A user can only submit applications for the manufacturer and vehicle categories which they are registered for.

E-Cert Rules

Certification Summary Information (CSI) Requirements

The following matrix details which CSIs to fill out for a particular vehicle fuel category and operating fuel type. This matrix in combination with the data requirements should assist users in filling out each CSI.

Vehicle Fuel Category	Operating Fuel	CSI 1	CSI 2A	CSI 2B	CSI 2C	CSI 3	CSI 4	CSI 5A	CSI 5B	CSI 6A	CSI 6B	CSI 6C	CSI 7	CSI 10A		CSI 10B
														HEV, PHEV	Others	
Dedicated Single Fuel Vehicle	Gasoline, LPG	R	R	R	R	R	R	R	R	R	R	R	R	R	N/A	N/A
	Diesel	R	R	N/A	R	R	R	R	R	N/A	N/A	N/A	R	R	N/A	N/A
	CNG	R	R	R	R	R	R	R	R	N/A	N/A	N/A	R	R	N/A	N/A
FFV	E85 + Gasoline	R	R	R	R	R	R	R	R	R	R	R	R	R	N/A	N/A
Dual Fuel Vehicle	(CNG, LPG) + Gasoline	R	R	R	R	R	R	R	R	R	R	R	R	R	N/A	N/A
Bi Fuel Vehicle	CNG + Diesel	R	R	R	R	R	R	R	R	N/A	N/A	N/A	R	R	N/A	N/A
ZEV (Battery Electric, H2 Fuel Cell)	N/A	R	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	R
R: Required, N/A: Not Applicable																

CSI 2A Requirements:

The data requirements document now provides detailed information regarding data elements in CSI 2A. Pages 38-44 of the data requirements document details when these data elements are required to be filled out.