

California Environmental Protection Agency
AIR RESOURCES BOARD

**CALIFORNIA EXHAUST EMISSION STANDARDS AND TEST PROCEDURES FOR
2003 AND SUBSEQUENT MODEL ZERO-EMISSION VEHICLES, AND 2001 AND
SUBSEQUENT MODEL HYBRID ELECTRIC VEHICLES, IN THE PASSENGER CAR,
LIGHT-DUTY TRUCK AND MEDIUM-DUTY VEHICLE CLASSES**

Adopted: August 5, 1999

Amended: *[ZEV 2001 Rulemaking]*

Amended: [Insert date of amendment]

Note: The proposed amendments are shown in underline to indicate additions and ~~strikeout~~ to indicate deletions compared to the test procedures as adopted August 5, 1999. Amendments to this document approved by the Air Resources Board at a January 25, 2001 hearing, but not yet adopted or in effect, are shown in dotted underline to indicate additions and ~~*italic strikeout*~~ to indicate deletions.

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A. Applicability

[No change.]

B. Definitions

[No change.]

C. Zero-Emission Vehicle Standards.

1. ZEV Emission Standard. The Executive Officer shall certify new 2003 and subsequent model passenger cars, light-duty trucks and medium-duty vehicles as ZEVs if the vehicles produce zero exhaust emissions of any criteria pollutant (or precursor pollutant) under any and all possible operational modes and conditions. Incorporation of a fuel-fired heater shall not preclude a vehicle from being certified as a ZEV provided: (1) the fuel-fired heater cannot be operated at ambient temperatures above 40°F, (2) the heater is demonstrated to have zero fuel evaporative emissions under any and all possible operational modes and conditions, and (3) the emissions of any pollutant from the fuel-fired heater when operated at an ambient temperature ~~between 68°F and 86°F~~ of 40°F do not exceed the emission standard for that pollutant for a SULEV under section 1961(a)(1), title 13, CCR.

A vehicle that would meet the emissions standards for a ZEV except that it uses a fuel-fired heater that can be operated at ambient temperatures above 40°F, that cannot be demonstrated to have zero fuel evaporative emissions under any and all possible operation modes and conditions, or that has emissions of any pollutant exceeding the emission standard for that pollutant for a ULEV under section 1961(a)(1), title 13, CCR, when tested at an ambient temperature of 40°F shall be certified based on the emission level of the fuel-fired heater when tested at temperatures between 68°F and 86°F.

2. Percentage ZEV Requirements

[No change.]

3. Partial ~~and Full~~ ZEV Allowance Vehicles (PZEVs)

3.1 [No change.]

3.2 Baseline ~~Partial~~ PZEV Allowance. In order for a vehicle to be eligible to receive a

~~*partial or full*~~ PZEV allowance, the manufacturer must demonstrate compliance with all of the following requirements. A qualifying vehicle will receive a baseline ~~*partial*~~ PZEV allowance of 0.2.

(a) Certify the vehicle to the 150,000-mile SULEV exhaust emission standards for PCs and LDTs in section 1961(a)(1) (for model years 2003 through 2006, existing SULEV intermediate compliance standards shall apply to all PZEVs). Bi-fuel, fuel-flexible and dual-fuel vehicles must certify to the applicable 150,000-mile SULEV exhaust emission standards when operating on both fuels;

[No change to 3.2(b) through the rest of the document.]