

APPENDIX B PROPOSED

California Environmental Protection Agency
AIR RESOURCES BOARD

CALIFORNIA EXHAUST EMISSION STANDARDS AND TEST PROCEDURES FOR 2009 THROUGH 2017 MODEL ZERO-EMISSION VEHICLES AND HYBRID ELECTRIC VEHICLES, IN THE PASSENGER CAR, LIGHT-DUTY TRUCK AND MEDIUM-DUTY VEHICLE CLASSES

Adopted: December 17, 2008

Amended: December 2, 2009

Amended: March 22, 2012

Amended: December 6, 2012

Amended: May 30, 2014

Amended: September 3, 2015

Amended: [insert date of current ZEV Regulation amendment]

Note: The proposed amendments to this document are shown in underline to indicate additions and ~~strikeout~~ to indicate deletions compared to the test procedures as last amended, [insert amended date]. An ARB rulemaking is currently pending that will amend the regulatory language and incorporated test procedures addressed by this Proposed Regulation Order. The amendments proposed herein identify these other pending amendments as follows: **bold italics with dashed underline** to indicate additions and ~~**bold italics double strikeout**~~ to indicate deletions. [No change] indicates proposed federal provisions that are also proposed for incorporation herein without change. Existing intervening text that is not amended in this rulemaking is indicated by “* * * *”. Amendments to these regulations were approved for adoption by the Board on May 21, 2015 as part of the “2014 Amendments to the Zero Emission Vehicle Regulation.” This rulemaking action was approved by the Office of Administrative Law and filed with the Secretary of State on October 12, 2015, and will become effective on January 1, 2016.

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CALIFORNIA EXHAUST EMISSION STANDARDS AND TEST PROCEDURES FOR 2009 THROUGH 2017 MODEL ZERO-EMISSION VEHICLES AND HYBRID ELECTRIC VEHICLES, IN THE PASSENGER CAR, LIGHT-DUTY TRUCK AND MEDIUM-DUTY VEHICLE CLASSES

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C. Zero-Emission Vehicle Standards.

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4. Qualification for ZEV Multipliers and Credits.

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4.4 Credits for 2009 through 2017 Model Years ZEVs.

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(b) *Fast Refueling.*

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(1). Issuance of Fast Refueling Credits for Model Year 2015, 2016, or 2017 Type III, IV, and V ZEVs.

(A) To obtain fast refueling credits, the ZEV manufacturer must apply to ARB's Executive Officer for such credits. No credits shall be granted without Executive Officer approval of the application. Each application shall be specific to Type III, IV, or V ZEV vehicles of a single Model Year. Each application shall contain the documentation specified in subdivision C.4.4(b)(2). No later than 15 days before submittal of the first application in a calendar year, the applicant shall provide written notice to the Executive ~~officer~~Officer of its intent to conduct fast refueling for its Type III, IV, or V ZEVs in that calendar year.

(B) For model years 2015 and 2016 fast ~~Fast~~ refueling capability shall be assigned to the number of Type III, IV, and V ZEVs of a given model year that have been fueled by an actual fast refueling event during ~~year~~ **initial 12 month period following vehicle placement in California.**

i. The total number of a manufacturer's Type III ZEVs assigned the fast refueling capability for a given model year, based on actual fast refueling events **during the initial 12 month period following vehicle placement in California**, shall not exceed the manufacturer's total number of Type III ZEVs sold in California for that model year that are capable of fast refueling (i.e., the sum of those Type III ZEVs that were fueled with an actual fast refueling event and those Type III ZEVs that are able to be fast refueled but were not actually fueled using any fast refueling).

ii. The provision in subdivision C.4.4(b)(1)(B)i. also applies to Type IV and V ZEVs in the same manner described for Type III ZEVs.

iii. Only the first 25 fast refueling events performed on any individual Type III, IV, or V ZEV, **during the initial 12 month period following vehicle placement in California**, shall count towards the total number of fast refueling events, respectively.

(C.) For model year 2017, fast refueling capability shall be assigned to the number of individual Type III, IV, and V ZEVs of that model year that are fueled by an actual fast refueling event during the initial 12 month period following vehicle placement in California. An individual model year 2017 Type III, IV, or V ZEV can only earn fast refueling credits for one fast refueling event.

~~iv.~~(D.) The frequency at which fast refueling credits are issued shall be based on the frequency of records and documentation submitted to support a claim for fast refueling credits. For example, a manufacturer that submits records of fast refueling events on a monthly, quarterly, or yearly basis shall be issued fast refueling credits on the applicable monthly, quarterly, or yearly basis.

(2.) Documentation of fast refueling events

(A) For each specific model year ZEV type for which a manufacturer claims fast refueling credits, the manufacturer must submit documentation of the total number of fast refueling events used to refuel the Type III, IV or V ZEVs ~~in that model year~~ **during the initial 12 month period following vehicle placement in California**.

(B) To support a manufacturer's claimed number of fast refueling events, that manufacturer must provide documentation of each fast refueling event. For each claimed fast refueling event, the manufacturer shall document the date of the fast refueling event, street address of the fast refueling facility used, and the vehicle identification number of the vehicle that was fast refueled. Fast refueling credit applicants shall retain this documentation for a minimum of three years from the date it was created and provide the documentation to ARB staff upon request within 3 business days.

- (3.) The fast refueling application and data submission requirements in this subdivision do not apply to manufacturers of fuel cell electric vehicles because such vehicles are already designed to be fast refueled at all times.

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