

Appendix B-1

Proposed Regulation Order

Proposed Amendments to the California Standards and Test Procedures for New 2021 and Subsequent Model Heavy-Duty Zero-Emission Powertrains

[Note: This version of the Proposed Regulation Order complies with Government Code section 11346.2 subdivision (a)(3). The proposed amendments are shown in underline to indicate additions and ~~striketrough~~ to indicate deletions from the existing regulatory text. Placeholder text to be updated upon adoption of the proposed amendments is shown in angle brackets (such as <insert date of amendments>). For ease of readability, CARB has also provided a version of the proposed amendments that can toggle between amendments in strikeout/underline and a "clean" version with amendments incorporated into the regulatory text, which can be found in Appendix B-2.]

Date of release: March 26, 2024

Date of hearing: May 23, 2024

State of California
AIR RESOURCES BOARD

**CALIFORNIA STANDARDS AND TEST PROCEDURES FOR NEW 2021 AND
SUBSEQUENT MODEL HEAVY-DUTY ZERO-EMISSION POWERTRAINS**

Adopted: June 27, 2019

Amended: <Insert Date of Amendment>

NOTE: This document is incorporated by reference in section 1956.8, title 13, California Code of Regulations (CCR). It contains the requirements necessary for criteria pollutant and greenhouse gas certification of a heavy-duty electric or hydrogen fuel-cell powertrain used in heavy-duty and ~~incomplete~~-medium-duty vehicles for sale in California. This document does not apply to zero-emission powertrains used in combustion hybrids. However, reference is made in these test procedures to other California Air Resources Board (CARB) documents that contain certification requirements for heavy-duty electric and fuel-cell vehicles. Note that this list of documents is not inclusive of all necessary requirements to complete an application for certification. The following documents are designed to be used in conjunction with this document. They include:

1. "California Greenhouse Gas Exhaust Emission Standards and Test Procedures for 2014 and Subsequent Model Heavy-Duty Vehicles," as last amended ~~June 27, 2019~~September 9, 2021 (incorporated by reference in section 95663, title 17, CCR)

**CALIFORNIA STANDARDS AND TEST PROCEDURES FOR NEW 2021 AND
SUBSEQUENT MODEL HEAVY-DUTY ZERO-EMISSION POWERTRAINS**

PART I: Heavy Duty Zero Emission Powertrain Certification Requirements

A. General Applicability. All Model Year (MY) 2021 and subsequent MY battery-electric and hydrogen fuel-cell powertrains intended for use in heavy-duty vehicles (over 14,000 pounds gross vehicle weight rating) and ~~incomplete~~ medium-duty vehicles (from 8,501 through 14,000 pounds gross vehicle weight rating) may be certified to these procedures.

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