

# Appendix B-1

## Proposed Regulation Order

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

[Note: This version of these test procedures complies with Government Code section 11346.2 subdivision (a)(3). The existing, original regulatory language currently adopted into the CCR is shown in “normal type.” The proposed amendments are shown in underline to indicate additions and strikethrough to indicate deletions from the existing regulatory text. 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-1. Subsections for which no changes are proposed in this rulemaking are indicated with [No change] or “\* \* \* \*.”]

## **ATTACHMENT C**

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: October 24, 2024

Amended: [Insert Date of Amendment]

# 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

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### C. General Requirements for Powertrain Certification:

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#### 3. Required Diagnostic Communications Tools Compatibility.

3.1. A manufacturer must have installed a connector meeting the requirements in subsection (h)(2) of title 13, CCR, section 1971.1, with a vehicle ~~controller-area network~~ communications protocol that is capable of connection and communication with scan tools that meet the requirements in subsection (h)(3) of title 13, CCR, section 1971.1, or a connector meeting the requirements of subsection (c)(2) of title, 13, CCR, section 1962.5 that are applicable to zero-emission vehicles with a vehicle network communication protocol that is capable of connection and communication with scan tools that meet the requirements of subsection (c)(3) of title 13, CCR, section 1962.5 that are applicable to zero-emission vehicles, or have a device permanently installed on the vehicle capable of displaying the information required in section 3.2 without the need for additional diagnostic tools. Subject to the advanced approval of the Executive Officer during the certification process, alternative communications hardware and/or protocols, other than those specified above in this subsection C.3.1, may be used if the manufacturer successfully demonstrates that such hardware and/or protocols do not create undue burden or costs for owners and third-party repair establishments requesting access to powertrain diagnostic information (e.g., the hardware and/or protocols are not proprietary and do not need to be purchased through the manufacturer). Any additional software needed to interface with alternative communications hardware shall be made available to the Executive Officer upon request, free of charge.

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