

Addendum to the Final Statement of Reasons for Rulemaking

Public Hearing to Consider the Proposed Heavy-Duty Engine and Vehicle Omnibus Regulation and Associated Amendments:

**Amendments to the Exhaust Emissions Standards and Test Procedures
for 2024 and Subsequent Model Year Heavy-Duty Engines and Vehicles,
Heavy-Duty On-Board Diagnostic System Requirements,
Heavy-Duty In-Use Testing Program,
Emissions Warranty Period and Useful Life Requirements,
Emissions Warranty Information and Reporting Requirements, and
Corrective Action Procedures,
In-Use Emissions Data Reporting Requirements, and
Phase 2 Heavy-Duty Greenhouse Gas Regulations,
and Powertrain Test Procedures**

Public Hearing Date: August 27, 2020
Agenda Item No.: 20-8-2
Addendum Prepared: December 20, 2021

I. Non-Substantial Modifications

The non-substantial modifications described below clarify and do not materially alter the requirements, rights, responsibilities, conditions, or prescriptions contained in the amendments as adopted by the California Air Resources Board (CARB) and approved by the Office of Administrative Law (OAL). (See Cal. Code Regs., tit. 1, § 40)

After the October 15, 2021, submission to OAL, the following non-substantial modifications were made:

Final Regulation Order – Title 13

- Updates have been made throughout the proposed regulation text to ensure consistency of formatting for citations of the California Code of Regulations (CCR), the Health & Safety Code, and the Code of Federal Regulations (CFR). Minor updates include, but are not limited to, correct upper or lower case letters where necessary (e.g., “sections” instead of “Section”), replacing the

symbol “§” with “section” where appropriate, and added/deleted spaces and/or commas where appropriate.

- Updates have been made throughout the proposed regulation text to consistently use words for numbers zero through nine by being spelled out (except for dates, numbers with decimals, percentages, clock time, etc.), and numbers 10 and over being listed as figures.
- Updates have been made throughout the proposed regulation text to add quotation marks for proper grammar when referencing CARB test procedures incorporated by reference.
- Updates have been made throughout the proposed regulation text to delete all extraneous spaces (removed double spaces where only a single space is grammatically correct).
- Dates and incorporation language (where necessary) have been added to definitions in the proposed text that are defined by reference in the Code of Federal Regulations. The following are the subsections where the language was updated: 1956.8(a)(2)(C)2, 1956.8(a)(2)(C)3, 1956.8(a)(2)(F)5.b, 1956.8(a)(2)(F), 1956.8(j)5, 1956.8(j)8, 1956.8(j)19, 1956.8(j)(20), 1956.8(j)24, 1956.8(j)26, 2036(c)(9), and 2139.5
- In section 1956.8, added an “s” to the first instance of “Emission” in title of section to state, “Exhaust Emissions Standards and Test Procedures...” for improved readability.
- In subsection 1956.8(a)(2)(B)1. deleted “and subsequent” and replaced with “through 2023” for improved grammar/syntax.
- In subsection 1956.8(a)(2)(C)2.a.ii deleted “subparagraph 13 CCR section 1956.8(a)(6)” and replaced with “subsection (a)(6) below” for improved syntax and proper citation.
- In subsection 1956.8(a)(2)(C)3.b.i. added a comma after “trading” for improved grammar.
- In subsection 1956.8(a)(2)(C)3.b.iii.3.C. deleted “the manufacturer must” since it not necessary as the above subsection “3.” already says that manufacturers must complete the following.
- In subsection 1956.8(a)(2)(F)1.e. deleted an errant typo of “section” before “title”
- In subsection 1956.8(a)(2)(F)2.e. deleted “title 13, CCR” from last sentence as it is not necessary (language already stated earlier).
- In subsection 1956.8(a)(2)(F)5. deleted the colon at the end of the sentence for improved grammar/syntax.
- In subsection 1956.8(a)(2)(F)5.a. and (a)(2)(F)5.b.,, added a comma after “rental” for improved grammar/syntax.

- In subsection 1956.8(a)(6)(B)(1) substituted “§§” with “sections” and “§” with “section” to be consistent with currently published regulatory text in the CCR.
- In subsection 1956.8(d), added title of “*Test Procedures.*” to beginning of subsection to be consistent with titling/formatting of other subsections. Also updated the current underlying text for incorporating the CARB test procedures to align with what is currently printed in the CCR.
- In subsection 1956.8(j)(10), added a comma after “final drives” for improved grammar/syntax.
- In subsection 1956.8(j)(22), added a commas after “including,” “not limited to,” and “calculations,” for improved grammar/syntax.
- In subsection 1956.8(j)(23), added a period at the end of the sentence for proper grammar.
- In section 1956.8, updated Authority and Reference citations to add Health & Saf. Code section 43107 to the Reference citation.
- In subsection 1961.2(b)(3)(A)2., added underline to entirety of table since it is a new table as of these amendments.
- In subsection 1961.2(b)(3)(D), added a colon and deleted a hyphen after “two separate groups of vehicles” for improved punctuation.
- In subsections 1968.2(e)(17) and (f)(17), deleted “* * *” between subsection (17) and (17.1) to reflect that there is no intervening text between these subsections.
- In subsection 1971.1(c), deleted apostrophes and added quotation marks to “Optional Low NOx emission standards” for proper punctuation.
- In subsection 2035(a), removed the comma after “sections 43205” for improved grammar/syntax.
- In subsection 2035(b), updated punctuation and language for proper grammar/syntax for the list (e.g., adding or deleting “and,” semicolons, and commas at the end of the necessary subsections).
- In subsection 2035(c)(3)(A), underlined the text “medium and” in the first sentence to read, “... except those medium and heavy-duty vehicles in subparagraphs (c)(23)(D)...” The proposed text was in the originally amended text posted on June 23, 2020, but was erroneously not underlined.
- In subsections 2035(c)(3)(E), 2036(c)(4)(D), (d)(2)(D), (d)(3)(D), (f)(1)(C), 2166.1(a), 2169(b)(2) and (b)(9), 2169.2(d)(5) and (d)(8), and 2169.6, deleted the word “which” and added the word “that” for improved grammar/syntax.
- In subsection 2036(c)(4)(B)2., revised the last sentence of the subsection to align with the underlying text of the CCR as currently printed.
- In subsection 2036(f)(1)(E) inserted “CCR,” after “section 95663(c), title 17” which was inadvertently omitted.

- In subsection 2112(l)(21)(C)(i), deleted an extraneous space after, “is operated throughout its useful life.”
- In subsection 2141(f)(4)(A), added a comma after “including” and “not limited to” for improved grammar/syntax.
- In subsection 2141(f)(4)(C), deleted a comma after “judgement” for improved grammar/syntax.
- In subsection 2145(b)(5) added “or” between “engine family” and “test group” to improve readability.
- In subsection 2147(d), deleted “2147” since it is not necessary and improves syntax with its deletion.
- In subsection 2148(a), added a comma after “include” and “not limited to” for improved grammar/syntax.
- Before section 2166, added “Article 5. Procedures for Reporting Failures of Emission-Related Equipment and Required Corrective Action” to delineate that the following proposed sections are in its own article of the CCR.
- In subsection 2166(c), added a period at the end of the sentence for proper punctuation.
- In subsection 2166.1(c), moved the comma to inside the quotation marks “Days” for improved punctuation.
- In subsection 2166.1(d), deleted an errant quotation mark at the end of the sentence and inserted a colon for proper punctuation.
- In subsection 2166.1(d)(1), added a semicolon at the end of the sentence (before “or”) for proper punctuation.
- In subsection 2166.1(h), added a comma after “repair” for proper punctuation.
- In subsection 2168(b), spelled out the word “percent” and removed the symbol “%” for improved grammar/syntax.
- In subsection 2169.2(d)(1), moved the period to within the quotation marks for proper punctuation.
- In section 2170, moved “section 43016” to after “Health and Safety Code” for proper citation.

California Exhaust Emission Standards and Test Procedures for 2004 and Subsequent Model Heavy-Duty Diesel Engines and Vehicles

- Updated the Note at the top of page four to correctly cite the incorporated document’s location in the CCR where it is incorporated. The correct citation is “section 1956.8**(b)**” (not “(d)”) in title 13.