

## ATTACHMENT A-1

### Proposed 15-Day Changes to the Proposed Regulation Order

#### Phase 1 Greenhouse Gas Regulations

Note: The text of section 95663 set forth below is new originally proposed language to be added to title 17, California Code of Regulations, released October 23, 2013. The proposed 15-day modifications are shown in double underline to indicate additions and ~~double-strikeout~~ to indicate deletions from the originally proposed regulatory text. Existing intervening text that is not amended in the 15-day modifications is indicated by “\* \* \* \*”

#### **§95663. Greenhouse Gas Exhaust Emission Standards and Test Procedures for New 2014 and Subsequent Model Heavy-Duty Vehicles.**

(a) GHG Exhaust Emission Standards for New 2014 and Subsequent Model Heavy-Duty Vehicles over 14,000 Pounds GVWR

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(2) Diesel and Otto-Cycle Tractors above 26,000 Pounds GVWR.

(A) The CO<sub>2</sub> emissions for new 2014 and subsequent model tractors above 26,000 pounds GVWR shall not exceed:

<b>GVWR (pounds)</b>	<b>Sub-Category</b>	<b>CO<sub>2</sub> standard (g/ton-mile) for model years 2014 – 2016</b>	<b>CO<sub>2</sub> standard (g/ton-mile) for model year 2017 and later</b>
26,000 < GVWR ≤ 33,000	Low-Roof (all cab styles)	107	104
	Mid-Roof (all cab styles)	119	115
	High-Roof (all cab styles)	124	120
GVWR > 33,000	Low-Roof Day Cab	81	80
	Low-Roof Sleeper Cab	68	66
	Mid-Roof Day Cab	88	86
	Mid-Roof Sleeper Cab	76	73
	High-Roof Day Cab	92	89
	High-Roof Sleeper Cab	75	72

1. *Averaging, Banking, and Trading Program and Credits.* The requirements for the optional averaging, banking, and trading program and for generating credits are described in the applicable test procedures incorporated by reference in section (c).
2. *Useful Life Requirements.* Heavy-duty tractors must comply with the emission standards in this subsection (a)(2)(A) throughout the full useful life, as follows:
  - a. 185,000 miles or 10 years, whichever comes first, for vehicles above 26,000 pounds GVWR and at or below 33,000 pounds GVWR.
  - b. 435,000 miles or 10 years, whichever comes first, for vehicles above 33,000 pounds GVWR.

(B) *Air Conditioning Leakage.* Loss of refrigerant from air conditioning systems from 2014 and later heavy-duty tractors may not exceed 1.50 percent per year, except as allowed by subsections (a)(2)(~~C~~ B)(1) and (a)(2)(~~C~~ B)(2) below.

1. For air condition refrigerants other than HFC-134a, the leakage rate is adjusted by multiplying it by the global warming potential of the refrigerant and dividing the product by 1430 (which is the global warming potential of HFC-134a).
2. If the total refrigerant capacity is less than 734 grams, the leakage rate may exceed 1.50 percent, as long as the total leakage rate does not exceed 11.0 grams per year.

(b) GHG Exhaust Emission Standards for New 2014 and Subsequent Model Diesel and Otto-Cycle Medium-Duty Vehicles between 8,501 to 14,000 Pounds GVWR

(1) Diesel and Otto-Cycle Vehicles between 8,501 to 14,000 Pounds GVWR.

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NOTE: Authority cited: Sections 38501, 38505, 38510, 38560, 39010, 39600, 39601, 43013, 43018, 43101, 43104, and 43105, Health and Safety Code. Reference: Sections 38501, 38505, 38510, 38560, 38580, 39002, 39003, 39600, 39601, 43000, 43009.5, 43013, 43018, 43100, 43101, 43101.5, 43102, 43104, 43105, 43106, 43205, 43205.5, and 43211, Health and Safety Code.