

DATE: September 22, 2017

Mail-Out #ECARS 17-07

TO: All Interested Parties

SUBJECT: PUBLIC WORKSHOP TO DISCUSS PROPOSED AMENDMENTS TO THE HEAVY-DUTY ON-BOARD DIAGNOSTIC (HD OBD) REGULATIONS.

The California Air Resources Board (CARB or Board) is proposing changes to the HD OBD regulations (sections 1971.1 and 1971.5, title 13, California Code of Regulations). CARB staff has scheduled a workshop to discuss its proposal and to obtain information to amend the proposal as needed or further formulate specific proposals prior to the release of the Staff Report and documents related to a future 2018 Board Hearing.

The workshop will be held at the date, time, and location below:

Date: Thursday, November 2, 2017

Time: 9:00 a.m. to 3:00 p.m. (Pacific Time)

Location: California Air Resources Board
Annex 4 Auditorium
9530 Telstar Avenue
El Monte, CA 91731

Participants unable to attend in person may take part via webinar. To register for this webinar, please go to: <https://attendee.gotowebinar.com/register/8032891600514637827>.

CARB's workshop presentation will be made available on the CARB website below prior to the workshop:

<https://www.arb.ca.gov/msprog/obdprog/obdworkshops.htm>

CARB staff will also be sending out bulletins to provide stakeholders with further information regarding staff's proposals, including notification that the workshop presentation has been posted. If you would like to subscribe to receive bulletins for the OBD Program topic, please visit the website below:

https://public.govdelivery.com/accounts/CARB/subscriber/new?topic_id=obdprog

Background

OBD systems serve an important role in helping to ensure that engines and vehicles maintain low emissions throughout their full life. OBD systems monitor virtually all emission controls on gasoline and diesel engines, including catalysis, particulate matter (PM) filters, exhaust gas

recirculation systems, oxygen sensors, evaporative systems, fuel systems, and electronic powertrain components as well as other components and systems that can affect emissions when malfunctioning. The systems also provide specific diagnostic information in a standardized format through a standardized serial data link on-board the vehicles.

In 2005, CARB adopted California Code of Regulations (CCR), title 13, section 1971.1, which established comprehensive OBD requirements for 2010 and subsequent model year heavy-duty engines and vehicles (i.e., vehicles with a gross vehicle weight rating greater than 14,000 pounds), referred to as HD OBD. The Board subsequently updated the HD OBD regulation in 2009 as well as adopted HD OBD-specific enforcement requirements (CCR, title 13, section 1971.5). As part of the 2009 and 2012 updates, the Board aligned the HD OBD with OBD II requirements for medium-duty vehicles and updated the regulations to address manufacturers' implementation concerns and, where needed, strengthen specific requirements.

Workshop Agenda

Elements of staff's proposal that will be discussed during the workshop include the following:

- Revisions to the in-use monitoring performance ratio requirements, including revisions to the minimum required ratios and additions of monitors to track and report
- Additional emission-based criteria for allowance of intrusive monitors
- Revisions to the test-out criteria for diesel feedgas generation monitoring
- Revisions to the crankcase ventilation monitoring requirements
- Additional criteria to determine if a component can "affect emissions" and is subject to comprehensive component monitoring
- More detailed monitoring requirements for hybrid vehicles
- Additional parameters required to be reported by the engine, including emission-increasing auxiliary emission control device tracking on non-diesel engines, tracking of oxides of nitrogen (NOx) control performance on diesel engines, and new parameters to support the heavy-duty greenhouse gas program
- Revisions to the engine selection criteria for manufacturer self-testing

Additionally, any other issues related to the HD OBD regulation may be raised for discussion at the workshop.

Public Participation Information

If you would like to make a formal presentation during the workshop, please contact Ms. Leela Rao, Manager, On-Board Diagnostics Program Development Section, at (626) 350-6469, or email at leela.rao@arb.ca.gov. Presentation requests should be made and materials made available no later than 5 business days before the scheduled meeting.

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Interested members of the public may present comments orally or in writing at the workshop. Comments may also be submitted by postal mail or by electronic submittal before the workshop:

Postal Mail: Ms. Leela Rao
Air Resources Board
9480 Telstar Avenue, Suite 4
El Monte, CA 91731

Electronic Submittal: leela.rao@arb.ca.gov

Contact

If you have any questions about the workshop, please contact Ms. Leela Rao, Manager, at (626) 350-6469, or by email at leela.rao@arb.ca.gov, or Ms. Adriane Chiu, Air Resources Engineer, at (626) 350-6453, or by e-mail at adriane.chiu@arb.ca.gov. If you have difficulties accessing the webinar on the day of the workshop, please call Ms. Bonnie Garlow at (626) 575-6918.

Special Accommodations

If you need special accommodations or have language needs, please contact Ms. Bonnie Garlow at 626-575-6918, no later than 10 business days before the scheduled meeting. TTY/TDD Speech-to-Speech users may dial 711 for the California Relay Service.

Please note that under the California Public Records Act (Government Code section 6250 et seq.), your written and verbal comments, submitted attachments, and associated contact information (e.g., your address, phone, email, etc.) become part of the public record and can be released to the public upon request.

Sincerely,



Annette Hebert, Chief
Emissions Compliance, Automotive Regulations and Science Division

cc: Ms. Leela Rao, Manager
Emissions Compliance, Automotive Regulations and Science Division

Ms. Adriane Chiu
Air Resources Engineer
Emissions Compliance, Automotive Regulations and Science Division