



Alan C. Lloyd, Ph.D.
Agency Secretary

Air Resources Board

9480 Telstar Avenue, Suite 4
El Monte, California 91731 www.arb.ca.gov



Arnold Schwarzenegger
Governor

January 11, 2005

Mail-Out #MSC 05-01

TO: ALL HEAVY-DUTY VEHICLE AND ENGINE MANUFACTURERS
ALL INDEPENDENT SERVICE REPAIR FACILITIES
ALL MANUFACTURERS OF AFTERMARKET PARTS
ALL OTHER INTERESTED PARTIES

SUBJECT: PUBLIC WORKSHOP REGARDING PROPOSED HEAVY-DUTY
ON-BOARD DIAGNOSTICS (OBD) REGULATION

Background: In 1989 the California Air Resources Board (ARB or Board) originally adopted section 1968.1, title 13, California Code of Regulations (CCR) that contains the malfunction detection and diagnostic system requirements known as OBD II. The regulation required that all 1996 and newer model year light-duty and medium-duty vehicles be equipped with OBD II systems. Subsequently, ARB updated the OBD II requirements with the adoption of section 1968.2, title 13, CCR, improving and addressing several concerns and issues regarding the OBD II regulation. Recently, ARB adopted section 1971, title 13, CCR, requiring implementation of diagnostic systems (i.e., engine manufacturer diagnostic (EMD) systems) on all 2007 and subsequent model year heavy-duty vehicles and engines. These diagnostic system requirements, however, are not as comprehensive as the OBD II requirements, containing no standardization requirements, and requiring monitoring of only a few of the major emission control components and systems, among other things.

Health and Safety Code Section 43105.5 directs ARB to establish regulations which ensure that independent vehicle service providers and manufacturers of aftermarket parts have access to dealership-quality service information and diagnostic tools for vehicles equipped with OBD systems. The Board adopted changes to California's Motor Vehicle Service Information Requirements (section 1969, title 13, CCR) in January 2004 that expanded the applicability of the regulation to cover heavy-duty vehicles certified to EMD and future OBD requirements. During the rulemaking process, the Board agreed, in response to heavy-duty engine manufacturers' comments, to drop the requirements for the availability of dealer-quality diagnostic tools, reprogramming equipment, and related information for engines meeting the 2007 and later EMD requirements. The staff committed to reconsider with stakeholder input these tools requirements at the time that future OBD system requirements are formulated.

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our Website: <http://www.arb.ca.gov>.

California Environmental Protection Agency

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Proposed Adoption of Heavy-Duty OBD Requirements: ARB staff has developed proposed regulatory language, which will be brought before the Board at a public hearing scheduled for July 2005, containing OBD requirements analogous to the OBD II requirements that would apply to all 2010 and subsequent model year heavy-duty engines. The proposed regulation details, among other things, monitoring requirements for emission controls, standardization requirements for communication with off-board repair tools and access to diagnostic information, and certification and demonstration testing requirements.

Changes to Service Information Access Requirements for Heavy-Duty Vehicles: In conjunction with the staff's proposals for OBD requirements applying to 2010 and later heavy-duty engines, the staff plans to again propose a set of tools availability requirements that would apply to these same engines.

Specifically, consistent with the language of Health and Safety Code Sections 43105.5(a)(2) and (3), the staff plans to propose that manufacturers of 2010 and later model-year OBD-equipped heavy-duty engines be required to make available for sale the emission-related diagnostic tools and on-board computer reprogramming equipment provided by the manufacturers to franchised dealers and authorized service networks. The availability of information necessary for aftermarket diagnostic tool manufacturers to incorporate similar emission-related data stream and bi-directional control functionality would also be required. Reprogramming methods for 2010 and later emission-related on-board computers would be required to comply with Society of Automotive Engineers (SAE) Recommended Practice J2534 or the Technology and Maintenance Council's Recommended Practice RP1210a, "Windows™ Communication API.," Manufacturers would be permitted under the regulation to set "fair, reasonable, and non-discriminatory" prices for the availability of the tools and related information.

In addition to the tools availability requirements, the staff plans to propose an amendment to the regulation that would require emission-related nomenclature used in heavy-duty engine manufacturers service information to comply with SAE Recommended Practice J2403, "Medium/Heavy-Duty E/E Systems Diagnosis Nomenclature" for 2010 and later model-year engines.

Workshop: The staff requests comments from industry in an effort to refine the proposed requirements and implementation schedules in a manner that will allow for efficient and effective use of developmental resources. ARB staff has scheduled a

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workshop to discuss its current position and proposals regarding these issues and obtain information to further formulate specific proposals prior to the release of the Staff Report and documents relating to the July 2005 Board Hearing.

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

Date: Wednesday, February 16, 2005
Time: 9:00 a.m. to 5:00 p.m.
Location: Air Resources Board
Annex IV Auditorium
9530 Telstar Avenue
El Monte, California 91731

If you would like to make a formal presentation during the workshop, please contact Mr. Michael McCarthy, Manager, at (626) 575-6615, or e-mail at mmccarth@arb.ca.gov.

Interested parties unable to participate in the workshop or those wishing to supply additional information are encouraged to submit written comments by February 9, 2005. Written comments should be sent to Mr. Steve Albu, Chief, Air Resources Board, 9528 Telstar Avenue, El Monte, California 91731.

This workshop notice, the draft proposed heavy-duty OBD regulation, and a summary guide of the draft proposed regulation will be made available on the ARB web site at <http://www.arb.ca.gov/msprog/obdprog/hdobjdreg.htm>. Draft regulatory amendments for the proposed changes to the service information access requirements will also be made available on this website.

Printed copies of these documents may be obtained by faxing or mailing the request form attached to the end of this note to the address or number detailed on the form.

If any party wishes the information submitted to be treated as confidential by ARB staff, it should be clearly marked as "confidential" and should be on pages that are easily detachable from other, non-confidential, information. California guidelines (Sections 91000-91002, Title 17, CCR, and Health and Safety Code Section 39660 (e)) will be followed in the handling of confidential information.

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To request special accommodations for persons with disabilities, please contact Mr. Michael McCarthy no later than February 9, 2005. TTY/TDD/Speech-to-Speech users may dial 7-1-1 for the California Relay Service.

Sincerely,

/s/

Robert H. Cross, Chief
Mobile Source Control Division

Attachment

cc: Mr. Michael McCarthy, Manager
Advanced Engineering Section
Mobile Source Control Division

Request for Draft Regulatory Documents

The draft proposed heavy-duty OBD regulation, the summary guide of the draft proposed regulation, can be found on the Air Resources Board's Web Site, which can be accessed at:

<http://www.arb.ca.gov/msprog/obdprog/hdobdreg.htm>

If you would like to receive hard copies of these documents, please mail or fax this form to:

Adrieann Medina
California Air Resources Board
9528 Telstar Avenue
El Monte, California 91731

FAX: (626) 575-7012 Phone: (626) 459-4405

- _____ Draft Proposed Heavy-Duty OBD Regulation: Proposed Section 1971.1, title 13, California Code of Regulations. (90+ pages)
- _____ Summary Guide of the Draft Proposed Regulation (15 pages)
- _____ Draft Service Information Regulation Amendments

Name: _____

Company: _____

Address: _____
