

CARB

Clean Truck Check

Greg Coburn
California Air Resources Board
Mobile Source Control Division
April 27, 2023



Air Resources Board

Topics

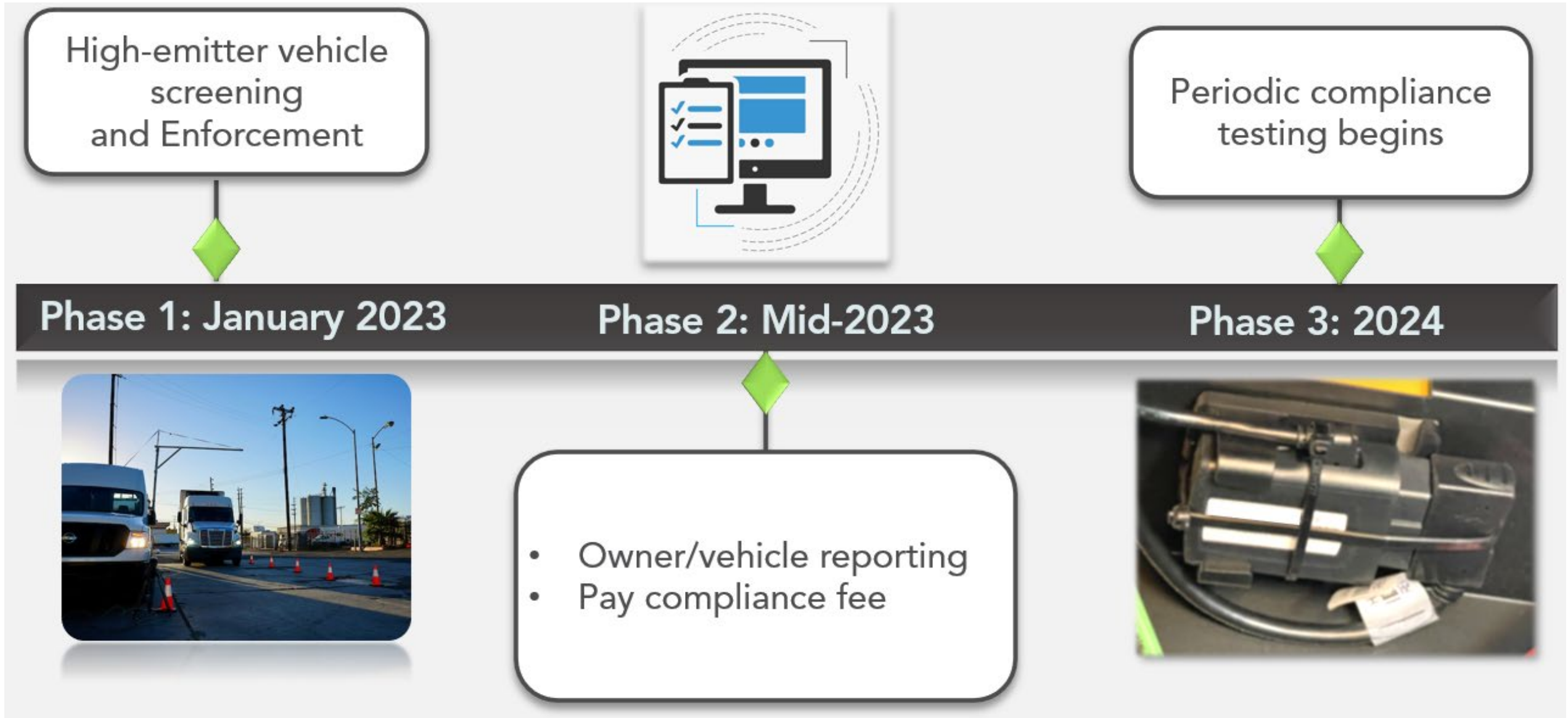
- Program Overview
- Phase in Implementation
- Major Program Components
 - Roadside Emissions Monitoring
 - Training and Examination
 - Test Methods
 - OBD Test Devices
 - Periodic Test Requirements
 - Periodic Testing Dates
- Resources



Program Overview

- What is it?
 - A new program similar to Smog Check but for heavy-duty vehicles
 - Clean Truck Check previously referred to as Heavy-Duty Inspection and Maintenance (HD I/M)
- Who is regulated?
 - Diesel and alternative fuel vehicles over 14,000 lbs. GVWR operating in California
 - Out-of-state vehicles, public vehicles (federal, state, and local)
- How are they regulated?
 - Phase 1 - Started January 2023 with high-emitter screening and testing
 - Phase 2 - Starts in mid-2023 with reporting and compliance fee payments
 - Phase 3 - Full implementation starts in 2024 with periodic compliance testing

Phase-in Implementation



Major Program Components

- Enhancing Identification & Repair of Malfunctioning Parts
 - Expanded applicability to all fleets, including owner-operators
 - High-emitter vehicle screening with Portable Emissions AcQuisition System (PEAQS)
 - Revamped compliance tests (On-Board Diagnostics)
 - More frequent periodic testing and data reporting
- Improved Enforcement Tools
 - Compliance linked to DMV registration
 - Freight contractor/ facility requirements
 - PEAQS + automated license plate recognition cameras
 - Tester training requirements and separate Referee Network

Roadside Emissions Monitoring - PEAQS

- Phase in started January 1, 2023
 - Network throughout California to identify potential high-emitting vehicles for follow-up compliance testing
- Owners of potential high emitters issued a notice to submit to testing
 - 30 days to submit passing compliance test
 - Failure to do so results in a CARB enforcement violation



Tester Training and Examination

- Program compliance testing must be performed by a credentialed tester
 - Only exception is for an OBD test submitted via a telematics service provider using a CARB-verified OBD test device
- Credentialed testers may be fleet employees, vehicle owners, or private for-hire testers
- CARB's Tester Training and Exam:

<https://ww2.arb.ca.gov/our-work/programs/inspection-and-maintenance-program/hd-im-tester-training-course-and-exam>



Test Methods

- OBD vehicles:
 - OBD scan of CARB's required parameters
(No MIL-related issues can be present)
 - 2013+ model year diesel engines, including diesel hybrids
 - 2018+ model year alternative fuel engines, including alternative fuel hybrids
 - Streamlined test process and data submission
- Non-OBD vehicles:
 - SAE J1667 opacity test using compatible smoke meters
 - Vehicle emissions control equipment inspection
(visual inspection)



OBD Test Devices

- Vehicle OBD testing can be completed in minutes, data transmitted automatically
- Pass/fail determined automatically, and test result sent back to HD I/M tester
- OBD test devices must be verified to meet CARB requirements
- CARB-verified devices:

<https://ww2.arb.ca.gov/our-work/programs/inspection-and-maintenance-program/obd-test-devices>



Periodic Testing Requirements

- Semiannual testing (2x per year) starting in 2024 timeframe for most vehicles
- Increases to quarterly testing for most OBD-equipped vehicles three years after periodic inspections begin (2027 timeframe)
- Periodic Smoke Inspection Program (PSIP) sunsets when periodic testing begins
 - Continue with annual PSIP inspections until CARB announces its end
 - PSIP allows fleets to submit OBD data in lieu of performing smoke opacity inspections – must use CARB-verified OBD test device

Periodic Testing Dates

- Typical California registered vehicles
 - A vehicle's compliance test deadline would align with the DMV registration dates like Smog Check
- Non-California and government fleet registered vehicles
 - Applies to CA exempt-plated vehicles, federal vehicles, and out-of-state vehicles
 - Compliance test deadlines are based on the last digit of the VIN
 - A vehicle's compliance test deadline would align with the last day of the month based on the corresponding month in the table
 - For example, if a vehicle's VIN ends in 7, the vehicle will have a testing deadline of May 31 and then November 30 (for semi-annual testing requirement)

<u>VIN</u>	<u>Month</u>
0	October
1	November
2	December
3	January
4	February
5	March
6	April
7	May
8	June
9	July

Clean Truck Check / HD I/M Resources

- Program homepage:
<https://ww2.arb.ca.gov/our-work/programs/heavy-duty-inspection-and-maintenance-program>
- CARB's TruckStop program webpage:
<https://ww2.arb.ca.gov/sites/default/files/truckstop/hdim/hdim.html>
- Subscribe to receive HD I/M program updates:
https://public.govdelivery.com/accounts/CARB/subscriber/new?topic_id=hdim
- Email CARB team with questions at: hdim@arb.ca.gov

Contact Information

Greg Coburn

hdim@arb.ca.gov

www.arb.ca.gov



Air Resources Board