

Submitted by the expert of the United States of America

Working Paper EFWG-00-03
(Kick Off meeting, 17 November 2011)

U.S. Environmental Protection Agency Vehicle Compliance Programs

Presentation to WP.29 Meeting
November 17, 2011

EPA Compliance

- EPA's authority for its vehicle compliance activities comes from the Clean Air Act
 - Section 202: general standard-setting
 - Section 206: motor vehicle compliance testing and certification
 - Section 207: compliance by vehicles and engines in actual use
 - Other sections include penalty provisions, right of EPA to request information **and inspect facilities**
- Standards apply for full useful life of a vehicle or engine
- Responsibility for meeting standards and conducting many emissions tests falls on manufacturer

Compliance Programs

- Statutory and regulatory testing programs together monitor emissions performance of vehicles from pre-production through full useful life
- Manufacturer responsibilities:
 - Certification information for pre-production vehicles
 - Production line testing
 - Selective Enforcement Audits
 - In-use testing
- EPA responsibilities:
 - Confirmatory testing
 - In-use testing
- Manufacturers are also responsible for reporting defects and warranty claim information to EPA
 - EPA uses to target compliance activities, initiate recalls or service campaigns

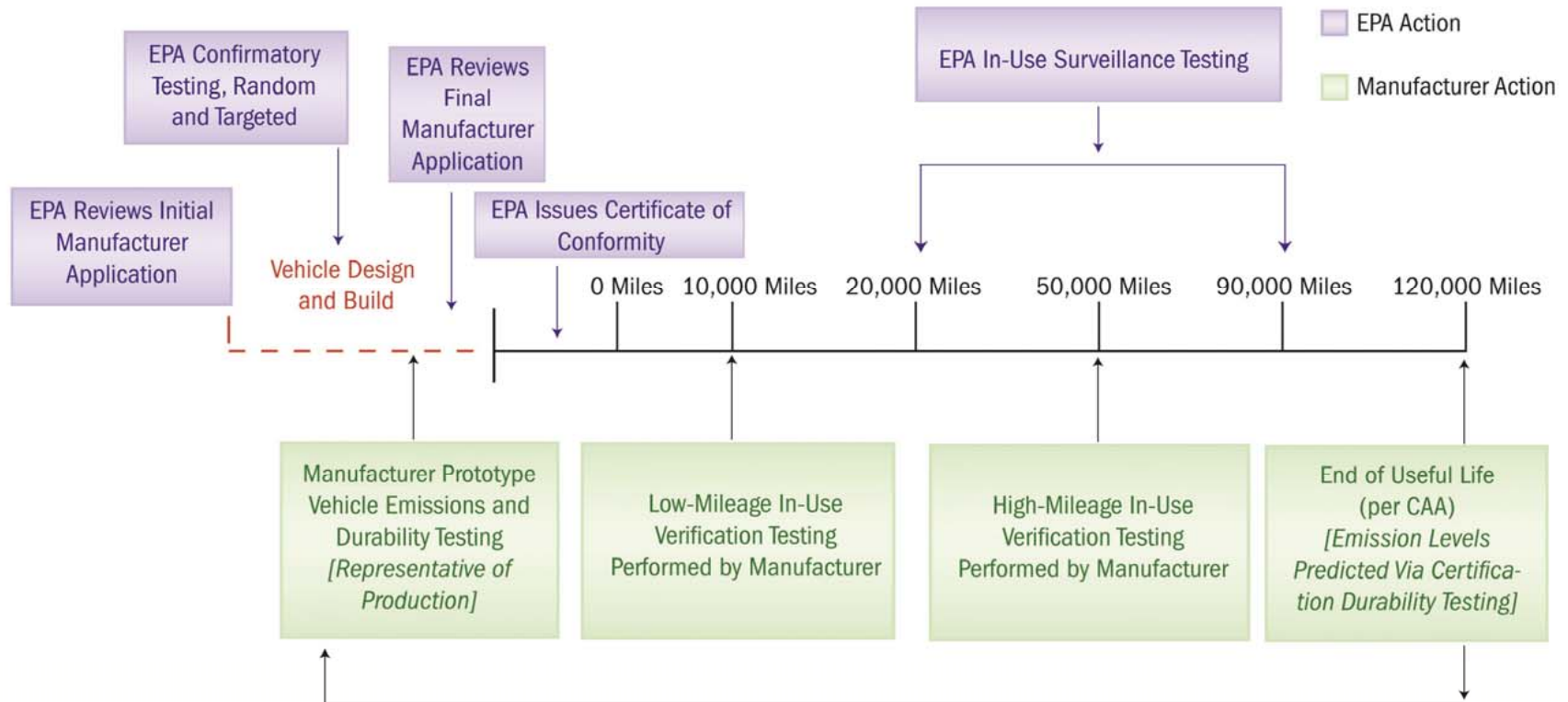
Light-Duty Vehicle Compliance

- EPA has a mature, successful compliance program for motor vehicles
 - In the last two years:
 - EPA has conducted about 300 confirmatory tests
 - EPA has tested about 50 in-use multiple vehicle test classes
 - In the last ten years, manufacturers have conducted thousands of tests on in-use vehicles
 - Exhaust and evaporative testing
 - 0-10% test failures shown across the model years and testing categories
- Manufacturers recall approximately 3M vehicles/year with emissions-related issues

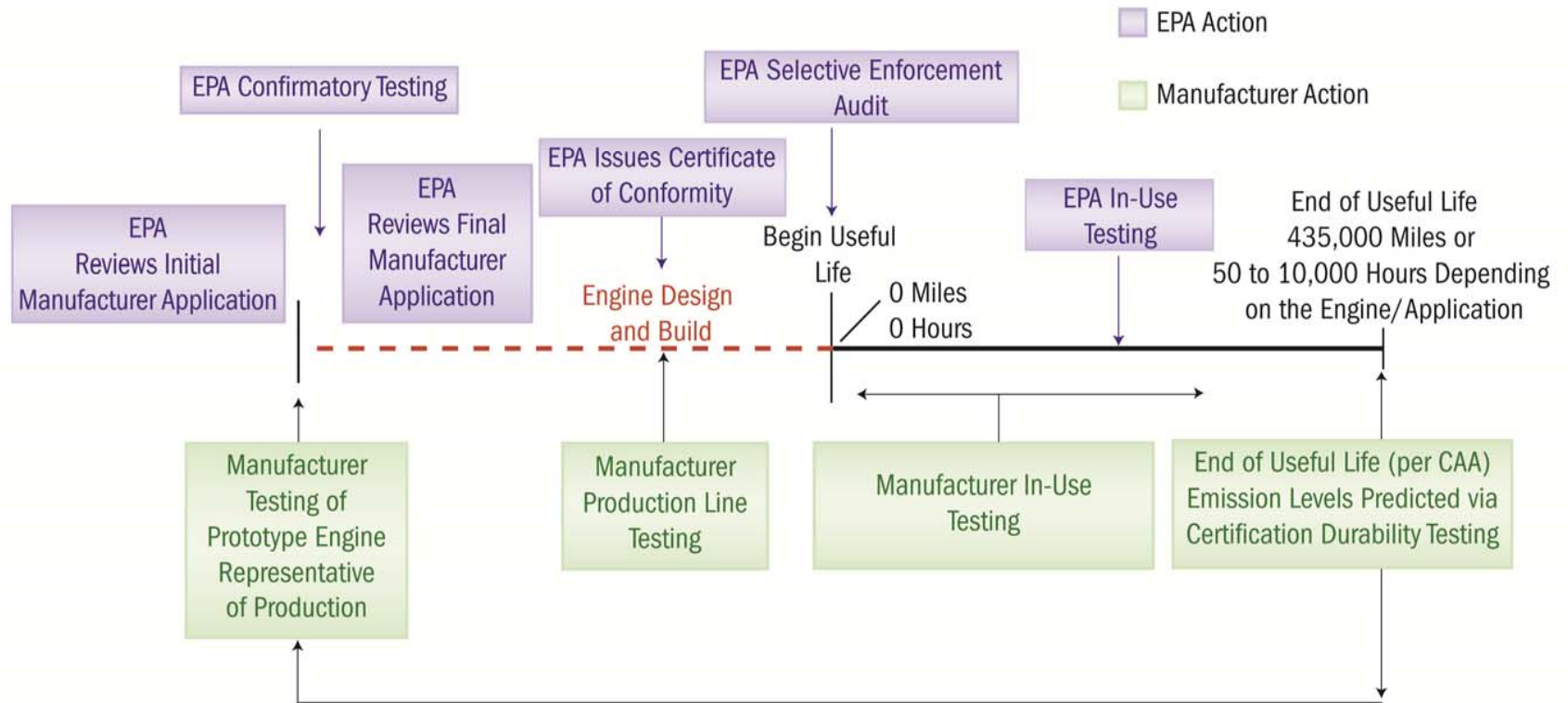
Other vehicles and engines

- Compliance programs for heavy-duty and off-road engines modeled on light-duty vehicle program
 - Pre-production information for certification
 - EPA and manufacturer testing of production line and in-use vehicles
 - Defect and warranty claim information

Compliance Schedule for Light-Duty Vehicles



Compliance Schedule for Certain Heavy-Duty Highway and Nonroad Engines



Vehicle and Engine Emissions Data used by EPA & Stakeholders

- Compliance Report

<http://www.epa.gov/otaq/about/420r10022.pdf>

2008 Progress Report
Vehicle and Engine
Compliance Activities



United States Environmental Protection Agency
Office of Transportation and Air Quality
1200 Pennsylvania Avenue, NW
Washington, DC 20460

- Emissions Standard Reference Guide

<http://www.epa.gov/otaq/standards/allstandards.htm>

- Engine Certification Data

<http://www.epa.gov/otaq/certdata.htm>

- Vehicle Certification Data

<http://www.epa.gov/otaq/crttst.htm>

Model Year	File Description
2012	Light Duty Vehicle Data
	Certified Vehicle Test Result Report Data (3.7M) (version: 04/08/12) (October 18, 2012)
	Certified Vehicle Test Result Report Supplemental Data (1.0M) (version: 04/08/12) (October 24, 2012)
2011	Light Duty Vehicle Data
	Certified Vehicle Test Result Report Data (3.7M) (version: 04/08/12) (January 21, 2011)
	Certified Vehicle Test Result Report Supplemental Data (1.0M) (version: 04/08/12) (January 21, 2011)

- Recalls

– <http://www.epa.gov/otaq/recall.htm>

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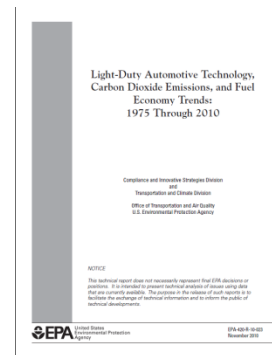
- Green Vehicle Guide

<http://www.epa.gov/greenvehicles/Index.do>



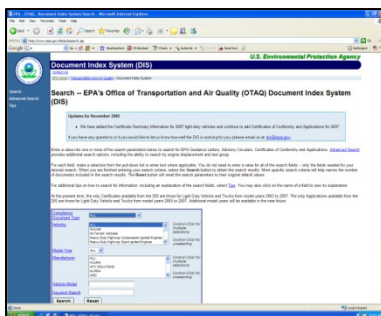
- Fuel Economy Trends Report

<http://www.epa.gov/otaq/cert/mpg/fetrends/420r10023.pdf>



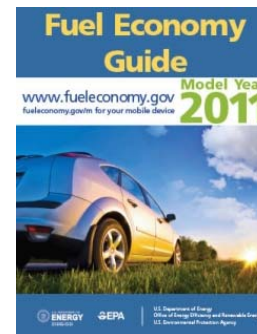
- EPA Web site and Document Index System

<http://iaspub.epa.gov/otaqpub/>



- Fuel Economy Guide (Department of Energy)

<http://www.fueleconomy.gov/feg/printGuides.shtml>



WP.29 Environmental Compliance Coordination

- Identification of areas of public information that can serve as tools for compliance managers
- Comparison of testing priorities- synergies and data sharing
- Identify on-going methods to exchange compliance concerns in a timely manner
- Regular discussion of identified technologies/manufacturers with compliance concerns