EPA United States
Environmental Protection Agency

In-use Information Needs
for Mobile Sources

Mobile Source Technical Review Subcommittee

Wednesday, October 11, 2000

By
Dan Harrison, Manager
Vehicle Programs Group
Certification and Compliance Division

Overview

& Need for in-use information

& Programs supported by in-use data

& Sources of in-use information

& Additional information needs

& Future plans

& Desired future state

& Summary

Need for In-use Information

& Strong information base for compliance and policy development

& Design EPA programs to achieve greatest environmental benefits

& In-use data to aid future product improvements

& Measure of emissions impact on air quality

   # Ensure production vehicles perform as certified throughout useful life

   # Measure success of regulations and compliance

& Characterize mobile source air pollution

& Gather information on emissions and vehicle activity

Programs Supported by In-use Data

& Emission compliance

   # CCD reorganized - higher focus on in-use

& Mobile model

   # Standards and regulation development

& I/M

& Transportation programs

Sources of In-use Information

& LD in-use compliance program

250 tests annually - properly maintained

& I/M data (idle, I/M 240, ASM)

Large amount of vehicles

& CAP2000 - IUVP

2000 mfr. tests annually - normally maintained

>50% fail triggers mfr confirmatory testing

2001 high-mileage min 50K / 2004 low-mileage min 10K

& Emission Factor program - as-received

Sources of In-use Information
……….(continued)

& Defect reporting

Helps in-use targeting

& Warranty information

& Technical service bulletins

& New HD and NR ROVER program

& New NR PEMS program

& New mandatory in-use programs (Marine SI, Locomotives)

Additional Information Needs

& On-highway Heavy-Duty

& Nonroad

& On Board Diagnostics in-use performance

& Measurement of vehicle activity

Future Plans

& Potential partnering with CARB and Canada

& Provide easy access to in-use data bases in compatible format (e.g. MSOD)

& Make data available to public, government, industry, NGO

& Possible CAP2000 type information for HD and NR

& Build up in-use data base for Heavy-Duty and Nonroad

& Kind of data need identified early

Desired Future State

- & Improved air quality in real world
- & Comprehensive set of in-use information for all mobile sources
- & CAP2000 effective as part of overall compliance
- & Manufacturers use in-use information to improve product
- & In-use information more accessible for government, industry, public

Summary

- & Strong base of information for compliance and policy development
- & Increased focus on in-use for compliance
- & Recent and new in-use programs for Heavy-Duty and Nonroad
- & New methods of collecting in-use information
- & Plans for greater availability and sharing of in-use data
- & In-use information is a valuable tool for meeting air quality goals