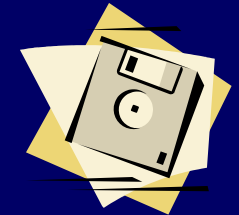


# *Verify Project Update*

## Light-Duty Cars and Trucks



U.S. Environmental Protection Agency  
Office of Transportation and Air Quality, with support  
from the California Air Resource Board  
September 13, 2005



# Agenda

- Verify Project Status Update
- Preview of Verify Release 2
- Manufacturer Involvement
- Next Steps

# Presenters

- Judy Jackson – EPA
- Robin Lang – California ARB
- Christi Poirier – EPA
- Mike Heese – CSC (EPA contractor)

# Project Objectives

- Implement new regulations
- Integrate all compliance databases to achieve efficiencies (includes CFEIS replacement along with replacements for HD/NR/LD database systems, as well as administrative compliance systems, such as Fees)
- Create a secure infrastructure for electronic collection of data and documents
- Support reengineered and streamlined compliance processes
- Partner with CARB to harmonize data

# Project Status

- Reengineered and streamlined the compliance processes and information needs for all industries
- Developing web-based manufacturer interface for data/documents
- Developed a prototype of the new system (architecture and functionalities)
- Established certification data requirements for
  - MC/ATV
  - locomotive (EPA-only)
  - HD on-hwy in-use (under negotiation)
- Completing Web-based database application for
  - MC/ATV certification
  - Request for Manufacture Code
  - Manufacturer Information
  - Document Submittal System (EPA – only)
  - Request for certificate (EPA MC/ATV only)

# Upcoming Releases

Release	Description	Timing
2	Motorcycle/ATV Certification Common Services – document submissions, request for mfr code, mfr profiles, and certificate request	Fall 2005
3a	Heavy Duty In-Use (pilot) – batch submittal of data only	Winter 2005
3b	Locomotive Certification	Late Spring 2006
3c	Heavy Duty In-Use Web screens	Late Summer 2006
4	Light-duty Certification, Fuel Economy, and Confirmatory Test.	Summer 2006 (pilot)

# Manufacturer Desires

- Harmonization between EPA's light-duty and heavy-duty programs, along with California's Air Resource Board
- Involvement in the definition, design, and testing processes
- Secured data transmission through the internet
- Both batch and interactive capabilities
- Simplify

# EPA and CARB Coordination

- Project Coordination
  - Frequent conference calls and meetings
  - Compliance harmonization activities
- General Partnership Agreement
  - Focused on data harmonization
  - Aiming for one-stop data submission
- Ongoing Challenges
  - Differences in business practices
  - Prioritizing deadlines & commitments



# Data Security

- Web submittals (interactive and batch file upload)
  - Verify interface utilizes secured HyperText Transfer Protocol (HTTPS) for registered users to send through the CDX
  - EPA's Central Data Exchange (CDX) Verify interface utilizes web services and Secure Socket Layer (SSL) encryption to transmit and receive information
- Machine-to-machine (batch file upload)
  - Mfrs will acquire Exchange Network user id
  - The Network Authentication and Authorization services (NAAS) will securely authenticate the node
  - Mfr will use web services and SSL encryption to transmit and receive information

# Preview of Verify Release 2.0 (in testing)

- Request for Manufacturer Code
- Maintenance of Manufacturer Information
- Submission of Documents (including document naming convention)
- Motorcycle/ATV Certification V 2.0
- Request for Certificate

# Request for Manufacturer Code

- New manufacturers will be able to request a new manufacturer code through the web
- Notification of manufacturer code approval or denial will be made electronically

# Manufacturer Information

- Manufacturers will be responsible for maintaining their own company and contact information through a web interface
- Helps to ensure timely turnaround of certificates and communications

# Preview of Verify Release 2.0 - Demo

- Request for Mfr Code
- Maintain Mfr Information

# Submission of Documents

## California ARB

- The California Air Resource Board (ARB) is implementing a new Document Management System (DMS) for handling PDF, Word, Excel and other type submittals
- The installation date is today, Tuesday Sept. 13<sup>th</sup>
- The off-the-shelf software for this DMS is OpenEDMS by Altima

# CARB DMS Key Features

- Web interface
- No client-side software
- Improved file system organization
- Private manufacturer directories
- Documents uploaded in specified folders
- File metadata incorporated to facilitate identification of documents
- Comments added with special indications or notes
- Automatic notification to staff upon submission of application or document
- Related documents can be linked
- Automatic or manual submission of documents
- Manufacturers informed electronically or by telephone of omissions
- Redaction capability
- Electronic version control

# CARB DMS Security Features

- Registered users with a secure password and valid login ID can access or upload documents into the DMS over the internet from any of the following browsers: Internet Explorer 6+, Netscape Navigator 7+, Mozilla, and Firefox
- Access Control List (ACL)
- Secure network communications uses Secure Socket Layer protocol (SSL)
- Digital Signature/Certificate



# Benefits of new CARB DMS

- Manufacturers will save paper, postage, and time by submitting the documents in electronically
- Documents will be stored securely in the State repository
- The state will reduce paper storage space and improve access to the information to help expedite review

# CARB DMS Screens

Search  by File Title  [Advanced Search](#) [Email](#)

File Management > File Browser

Navigate To

Name	Date	Version	Size	Rating	Type	File ID	Thumbnail
<input type="checkbox"/> Complete CBI Application	Aug 24, 2005	N/A	N/A	N/A	Folder	N/A	
<input type="checkbox"/> Correspondence	Aug 24, 2005	N/A	N/A	N/A	Folder	N/A	

Internet

# CARB DMS Screens

.com - OpenEDMS - File Browser - Microsoft Internet Explorer

Search  by File Title  [Advanced Search](#) [Email](#)

File Management > File Browser

Navigate To

Create  Edit  View  Add to Favourites  Subscribe  Send to Email  Set a:

Name	Date	Version	Size	Rating	Type	File ID	
2005 Durability	Aug 24, 2005	2.0	144 KB	N/A	LDV Correspondence	N/A	<a href="#">Micro tips</a>

2005 Durability plan that was missing.

Folder

File

Text File .doc

Template File

File From Template

URL

Forum

Shortcut

KMF

- Category
  - 2005
    - CBI Application
      - Complete CBI Application
      - Correspondence
      - FOIA Application
      - Post Certification
      - Publications
    - MFR2

# CARB DMS File Upload

.com - OpenEDMS - Upload File - Microsoft Internet Explorer

File Management > Upload File

### Upload File

Select a File:   Directory Path: \\KMF\Category\2005\CBI Application\ Correspondence

\*Save As:  \*File Title:

Document Type(s):: Selected:

	>>	LDV Correspondence	<input type="button" value="Set Metadata"/>
	>		
	<		
	<<		

Abstract:

Retention Policy:

Convert to PDF:  (Support Formats: DOC,RTF,HTM,HTML,TXT,XLS,PPT,SXW,JPG,JPEG,TIF,TIFF,BMP)

Forward Link to Email:

Internet

# CARB DMS Metadata Entry

LDV Correspondence

Manufacturer correspondence

\* Manufacturer: KMFR

\* Model Year: 2007

\* Submission Date: 09/08/2005

\* Correspondence Type: Misc

OK

- ARB Letters
- Durability
- Evap
- Exhaust
- Misc
- OBD
- SFTP

Done Internet

# Submission of Documents Verify (EPA-Only)

- Mfrs will submit all EPA compliance documents electronically to Verify's document module
- Documents can be submitted via:
  - Web interactive submissions
  - Machine to machine
- Each document must be accompanied by metadata that describes the document
  - Similar to current Electronic Applications in CFEIS (EAP)
- Allows for two file formats of the same document to be sent simultaneously (e.g., MS Word, PDF)
  - With only one set of metadata

# EPA Document System: Key Features

- Document Metadata and File Name will be used to identify whether a document is CBI
- File Names, Titles, and Abstracts will be system-generated from metadata in a future release
- Updated versions of a document will be tracked by a revision number in the document's file name
- Compliance and Innovative Strategies Division (CISD) staff will be notified upon submission of manufacturer-documents requiring EPA approval
- CISD will be able to link related documents submitted by manufacturers and/or CISD
  - For example: Certification Preview meeting materials can be linked with CISD's meeting minutes and list of attendees

# Preview Verify Release 2.0 - Demo

- File and Document Submissions



# Motorcycle/ATV Certification V 2.0

- Harmonized CARB and EPA Data Elements
- Interactive Web screens available, data set can be saved on desktop until submittal time
- Qualifying questions display only necessary field on web

# Request for Certificate (EPA-Only)

- Initiates the EPA review process
- Asks qualifying questions to determine if one is truly ready to certify
- Automatic certificate generation process, if available

# Preview Verify Release 2.0 - Demo

- Motorcycle/ATV Certification
- Request for Certificates

# Manufacturer Involvement

- We have completed and will give you all of the EPA process models (Certification, Confirmatory Test, Fuel Economy, In-Use)
- We will distribute you drafts of data requirements for comments as they become available
- We will offer previews of designs before finalizing
- We are prepared to discuss with manufacturers connectivity and security issues, and to test connectivity
- We need manufacturers to be involved in the testing of the system

# Next Steps

- EPA will provide the latest versions of process models, along with confirmatory test and EPA document data requirements through web on 9/19/2005. Please comment on data requirements by 10/3/2005.
- Send comments to [ccdit@epa.gov](mailto:ccdit@epa.gov)
- Fuel Economy and Certification data requirements will follow
- Contact us if you are ready to work with us on connectivity issues