



Electronic Certification

2006 EMA Certification Workshop

April 18, 2006



ARB IT Certification Goals

- Harmonize electronic certification system for all categories
- Reduce paperwork
- Improve certification process
- Faster certification processing

Electronic Certification Systems

EPA

ARB

- Verify = data + documents

- E-Cert = data
- DMS = documents

Certification Data submitted to EPA's Verify system will automatically transfer to ARB's E-Cert system



ARB's New Certification System

- E-Cert is a new Oracle database for storing CSI information and generating Executive Orders
- DMS is a new Document Management System for storing the supporting certification documentation



ARB's New Certification System

The electronic certification system consists of:

- E-Cert : Engine Family Specific Information
 - Certification Summary Information (CSI)
- DMS : handles all non-database Documents
 - Supporting Certification Documentation



ARB's E-Cert Overview

- E-Cert will take data forwarded from U.S. EPA (Verify system) in XML format and will automatically load the data into Oracle (ARB's E-Cert system)
- A notification will be sent to the manufacturer upon a successful load or a failed load
- A notification will be sent to the ARB staff to begin a review



ARB's E-Cert Overview

- All data are secure upon transfer using a Secure Socket Layer (EPA to ARB)
- The system will facilitate review by ARB Staff via web screen
- The system will enable the ARB Staff to generate the Executive Order



ARB's E-Cert Benefits

An electronic certification system would:

- Enable ARB Staff to more easily access and review an application (web-based)
- Enable a manufacturer to get a confirmation when a Certificate Summary Information (CSI) package has been submitted
- Assist in tracking application progress



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ARB's DMS Overview

- Customized off-the-shelf product: OpenEDMS made by Altimate Systems Inc.
- Access via the internet
- Documents organized into folders
- A manufacturer can only see its own folders

ARB's DMS Benefits

- Upon deposit of documents into a workflow queue
 - tracking mechanism triggered
 - certification engineer notified
- Different versions of documents may be compared to determine changes



Implementation Schedule DMS

- Phase-in by vehicle/engine category
- All manufacturers will be required to submit supporting certification documentation electronically

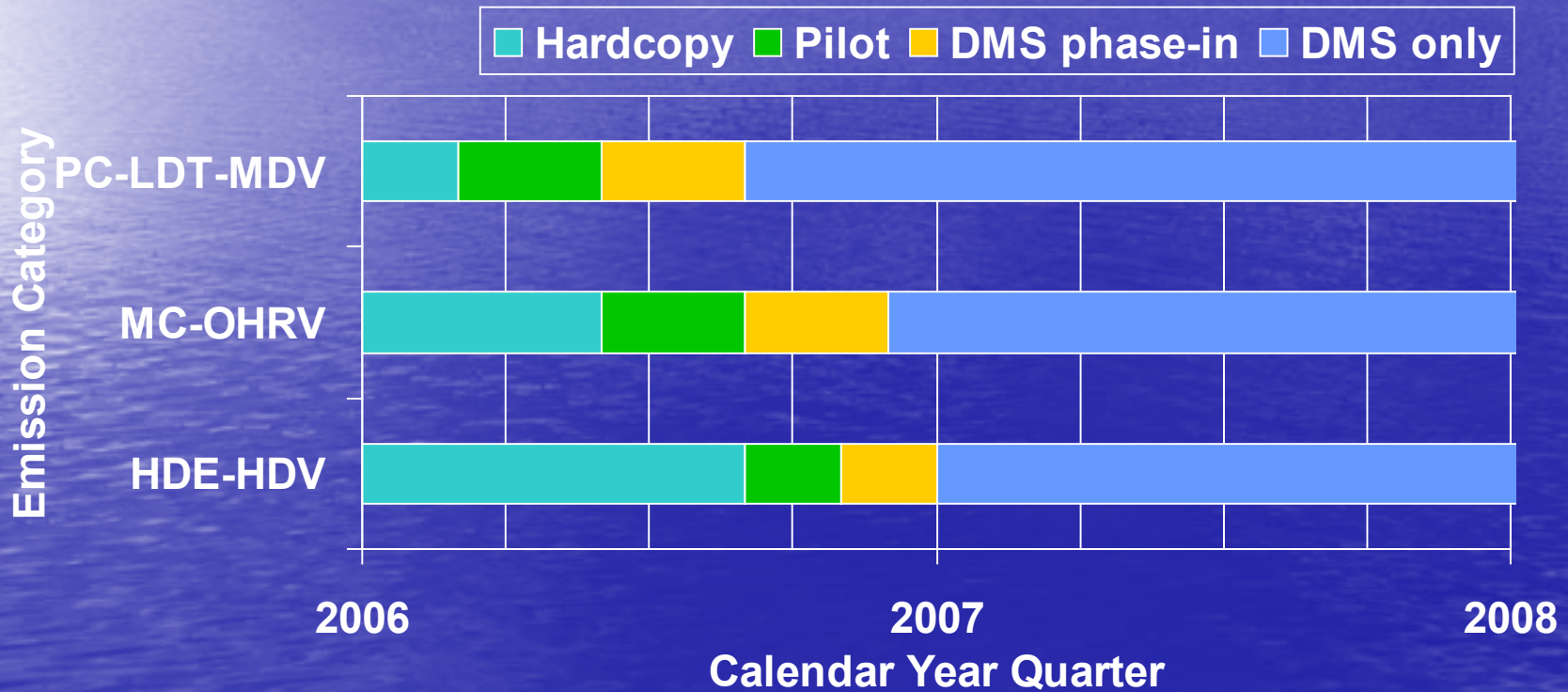
DMS – 2007 MY

What needs to be submitted into DMS for the 2007 Model-Year?

- New certification documents
- Information already submitted in Paper
- Older documents (i.e., DF plans) that will continue to be used

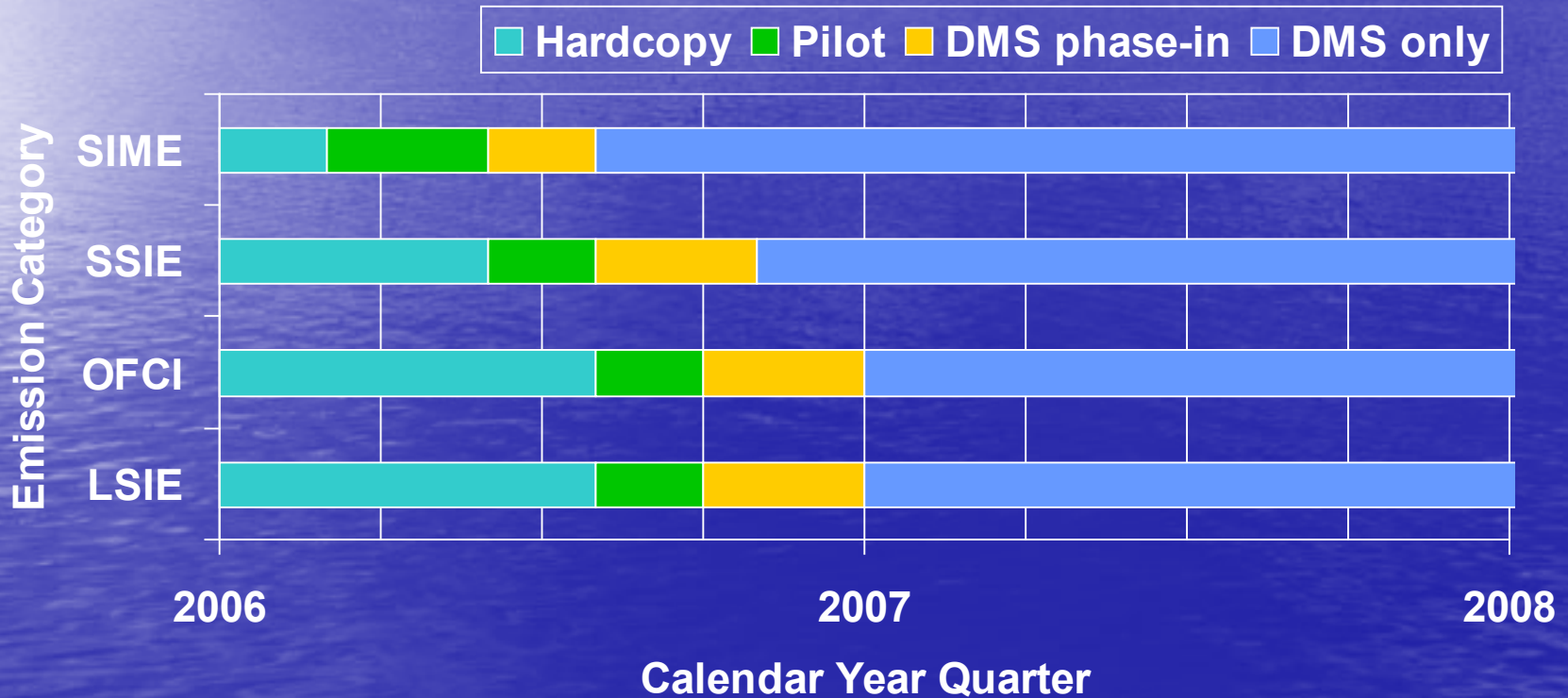
DMS Phase-In On-Road Schedule

2007 MY vehicles and engines



DMS Phase-In Off-Road Schedule

2007 MY engines and equipment



ARB

E-Cert Contact Information

- Regarding the project with EPA or E-Cert please contact:

Robin Lang, (626) 575-6827, rlang@arb.ca.gov

or

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ARB

DMS Contact Information

- Regarding the Document Management System please contact:

Ivonne Guzman-Cicero (General), (626)-575-6718,
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Or

Kim Pryor (On Road), (626) 575-6640,
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Or

Jeff Doll (Off Road), (626) 575-6661,
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Verify Schedule

- Pilot Programs
 - Motorcycle/ATV Certification (Complete)
 - HD In Use (Spring 2006)
 - Locomotive Cert (Summer 2006)
- Full Implementation
- End of Current Submission Systems
 - Locomotive (December 2007)



Verify Schedule

- Future Certification Modules

- HD Diesel
- HD Gas
- NRCI
- Small SI
- Marine SI
- Snowmobiles
- LSI
- Marine CI

- Other Modules

- Defect Reporting
- Fees
- ABT



EPA

Verify Contact Information

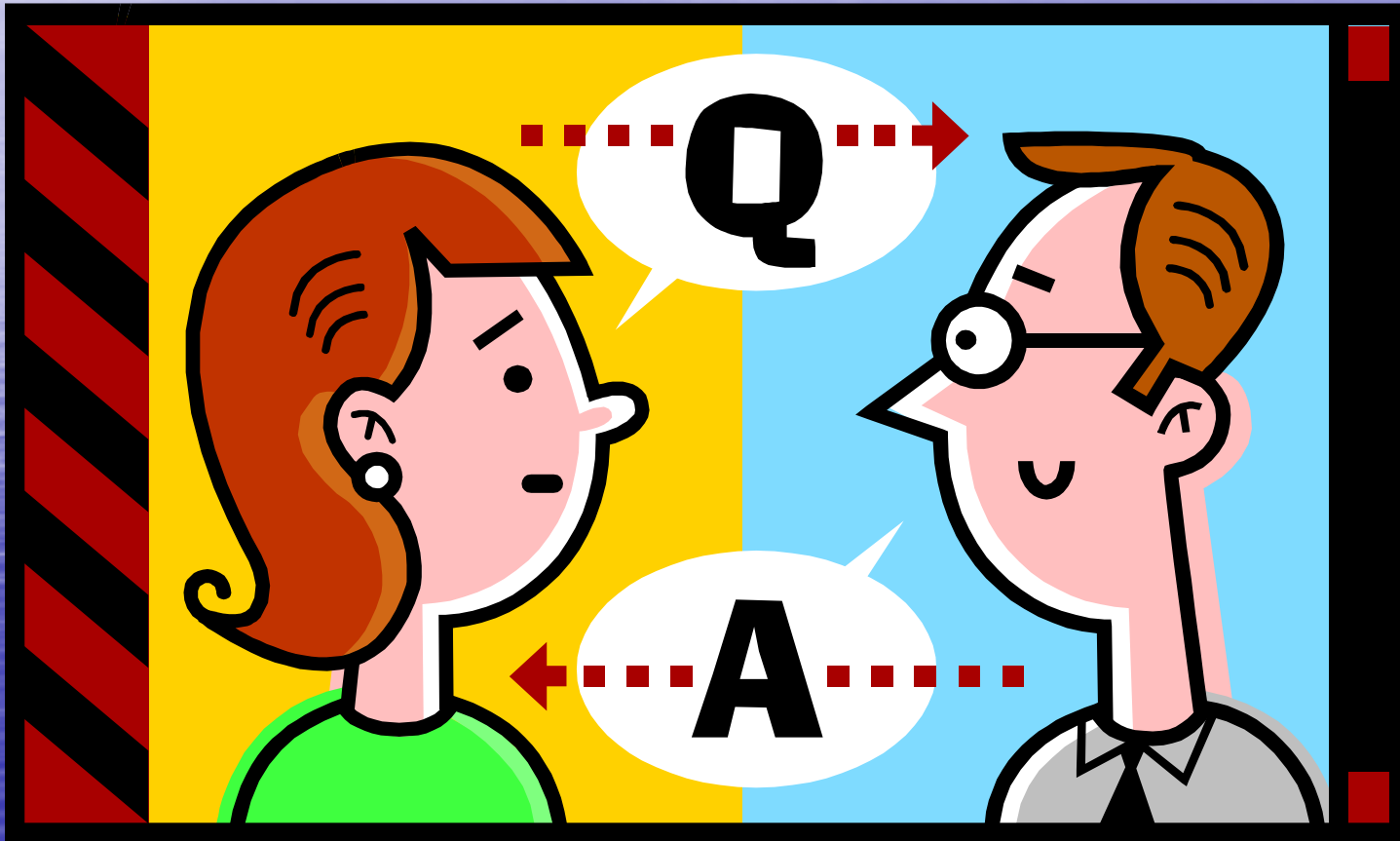
Judy Jackson (overall program information),
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Carl Wick (HD/NR certification modules),
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Larry Oeler (HD In Use module),
oeler.larry@epa.gov

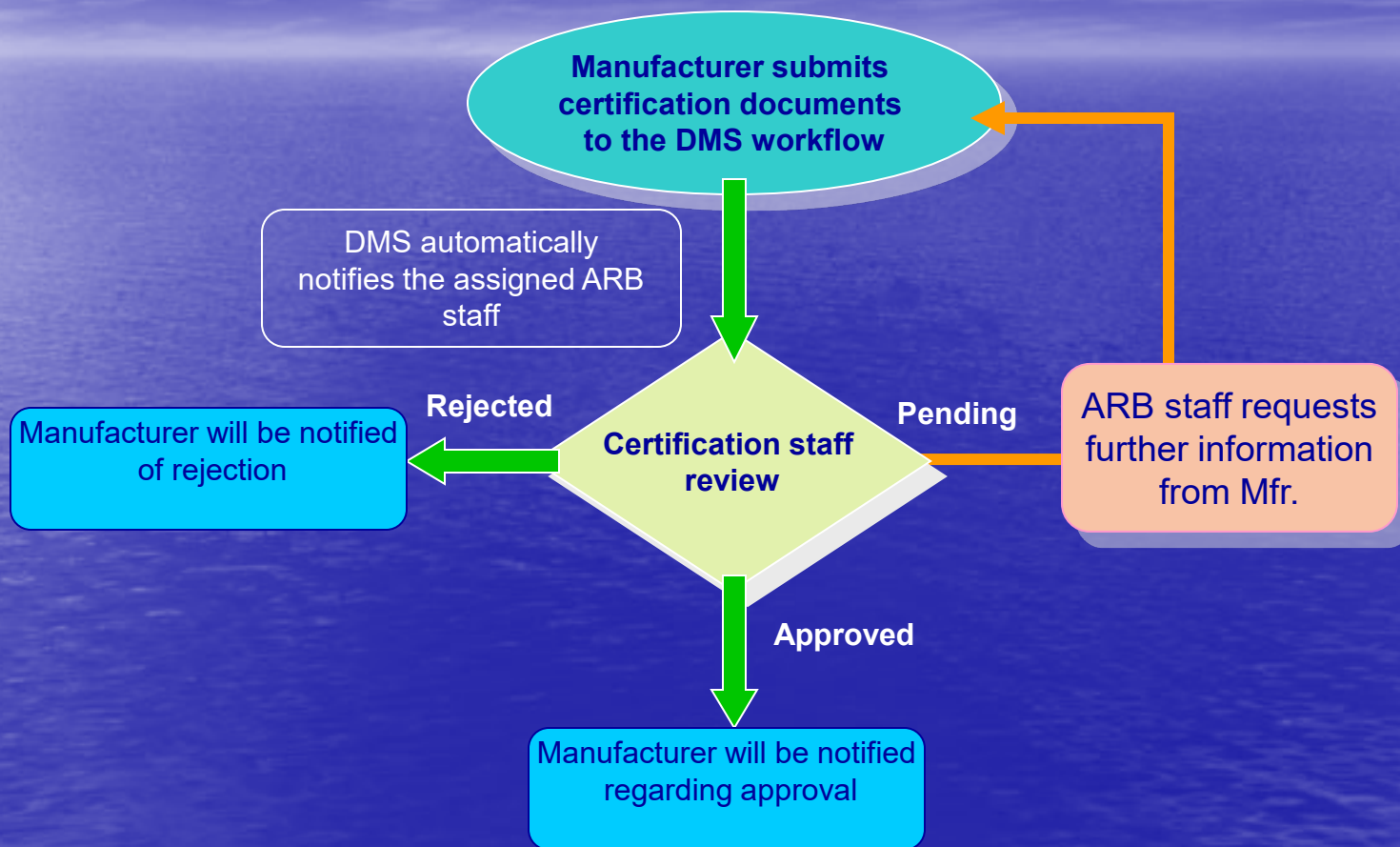


Question and Answer



DMS

Example of a Workflow Process



ARB

DMS Workflow Manager Screen

OpenEDMS - Microsoft Internet Explorer

Address: https://secure.arb.ca.gov/edms/servlet/edms.do?action=WORKFLOW_TASK_REQUEST&subaction=WORKFLOW_TASK_SUMMARY&treatment=8&resId=0&domainId=E7711A41-59C

OpenEDMS Search: by File Title Search [Advanced Search](#) [Mail Box](#) [Help](#) [Logout](#)

Workflow Manager

Process Manager

Start Date: From To
 End Date: From To

All Processes

Process	Workflow	Created By	Start Date	
Request for Approval Mfr XXX's Final ABT Report	Approval of Mfr ABT or PLT Report (ver 14.0)	Mfr XXX	Jan 26, 2006	<input type="button" value="Add Doc."/>
Change ABT Report	Approval of Mfr ABT or PLT Report (ver 14.0)	Mfr XXX	Jan 17, 2006	<input type="button" value="Add Doc."/>

Submit New Document(s)

Active Workflow Templates	Created by	Date Created
There is no template available for this Resource.		

Clipboard: Total 0 item(s) Mfr XXX @ ARB_OFF_ROAD

Date filter : search for the workflow process based on the date criteria.

Submit additional documents for processing

Click to review only "pending" process

Click to review only "finished" process

The date on which each process was initiated