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

- Verify = data + documents

ARB

- 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

ARB's New Certification System

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- DMS : handles all non-database Documents
  - Supporting Certification Documentation

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

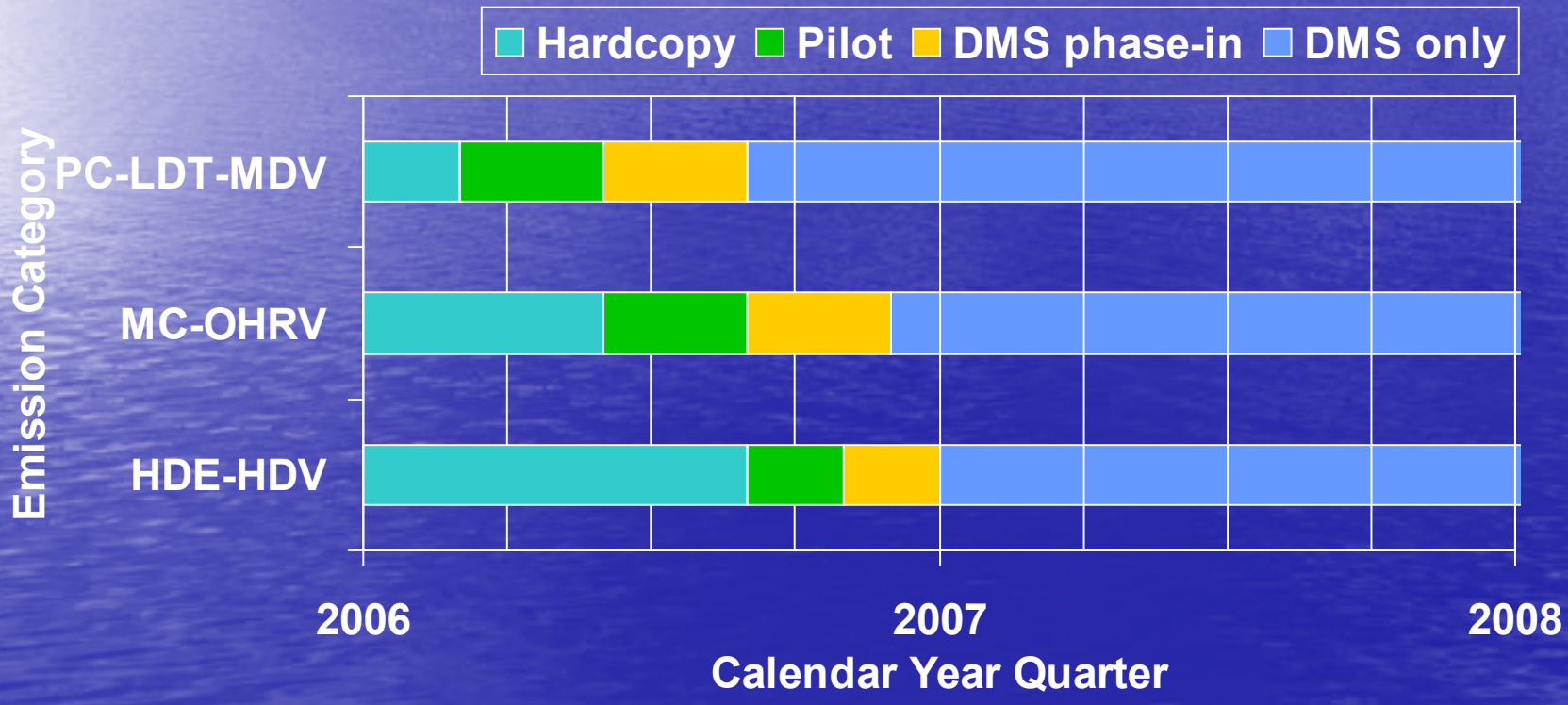
DMS – 2007 MY

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

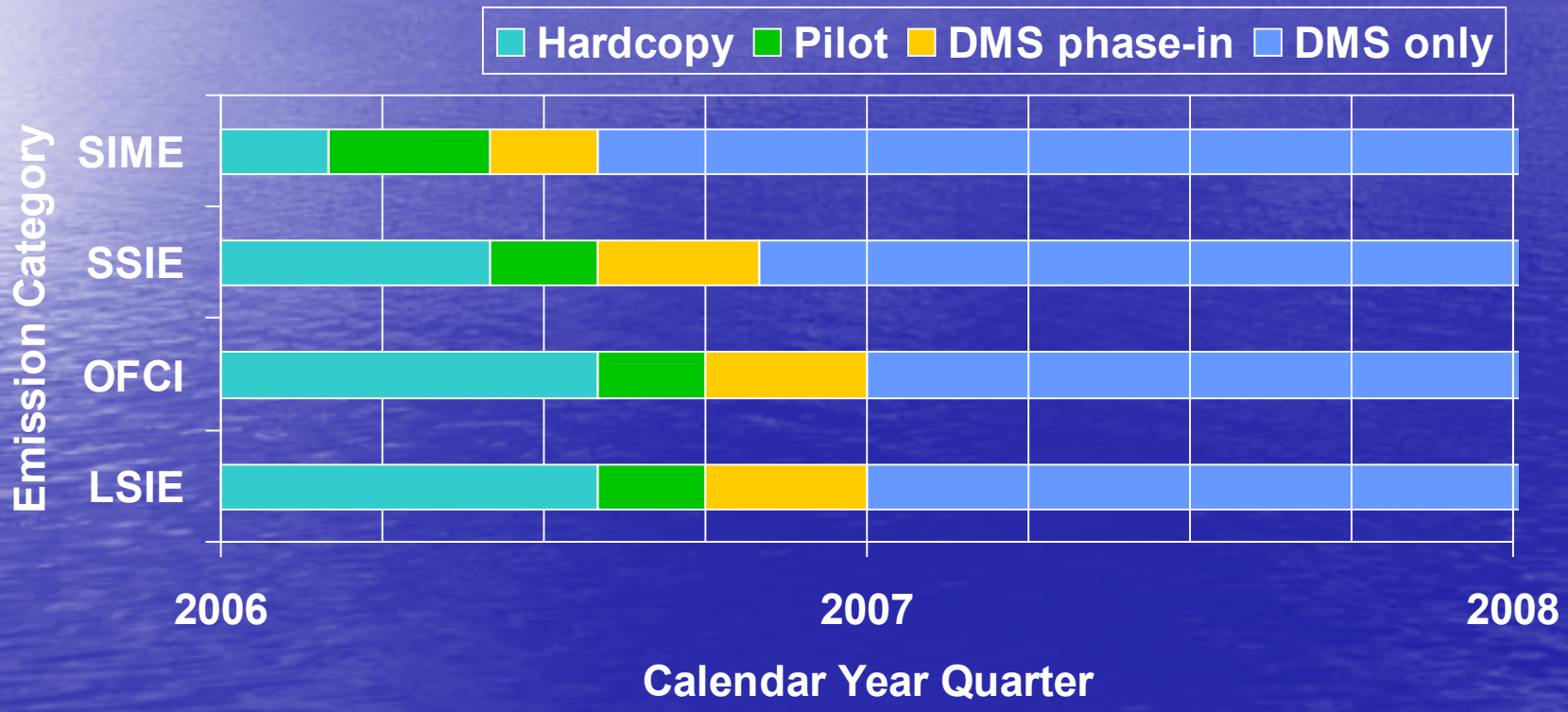
DMS Phase-In On-Road Schedule

2007 MY vehicles and engines



DMS Phase-In Off-Road Schedule

2007 MY engines and equipment



California Environmental Protection Agency
Air Resources Board

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
  Robert Gammariello, (626) 450-6138,
  rgammari@arb.ca.gov

ARB
DMS Contact Information

- Regarding the Document Management System please contact:

  Ivonne Guzman-Cicero (General), (626)-575-6718, iguzmanc@arb.ca.gov
  Or
  Kim Pryor (On Road),(626) 575-6640, kpryor@arb.ca.gov
  Or
  Jeff Doll (Off Road), (626) 575-6661, jdoll@arb.ca.gov

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

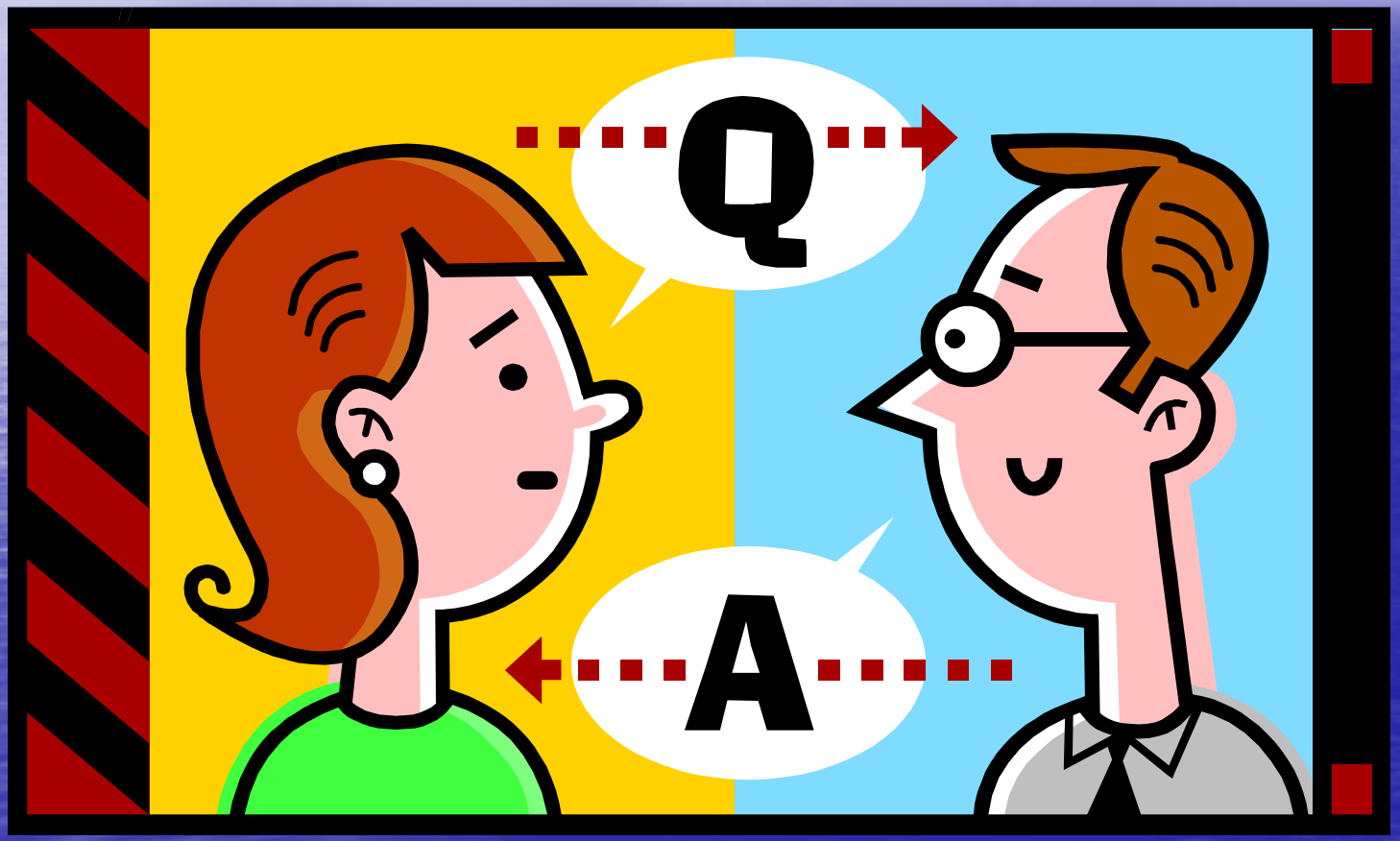
EPA
Verify Contact Information

Judy Jackson (overall program information), jackson.judy@epa.gov

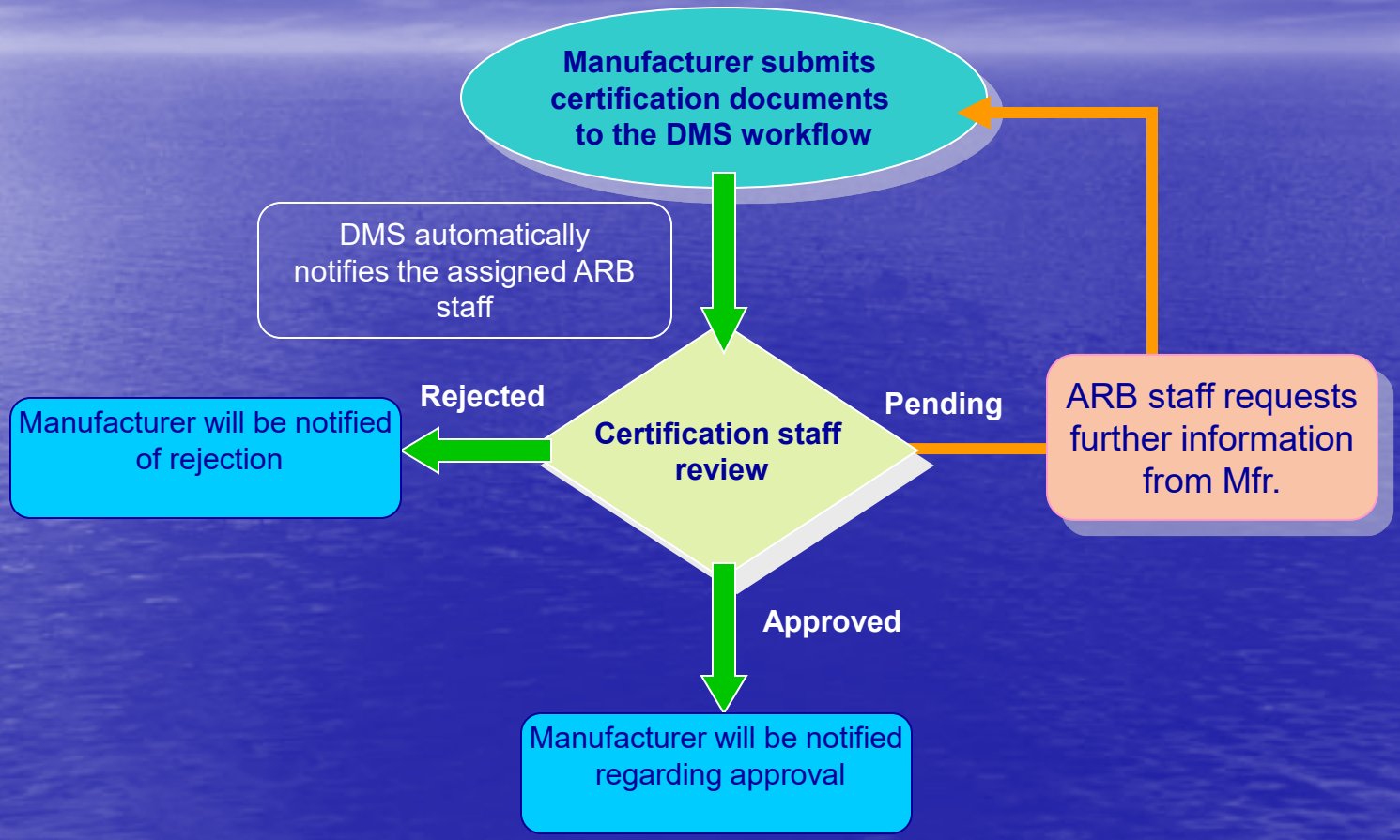
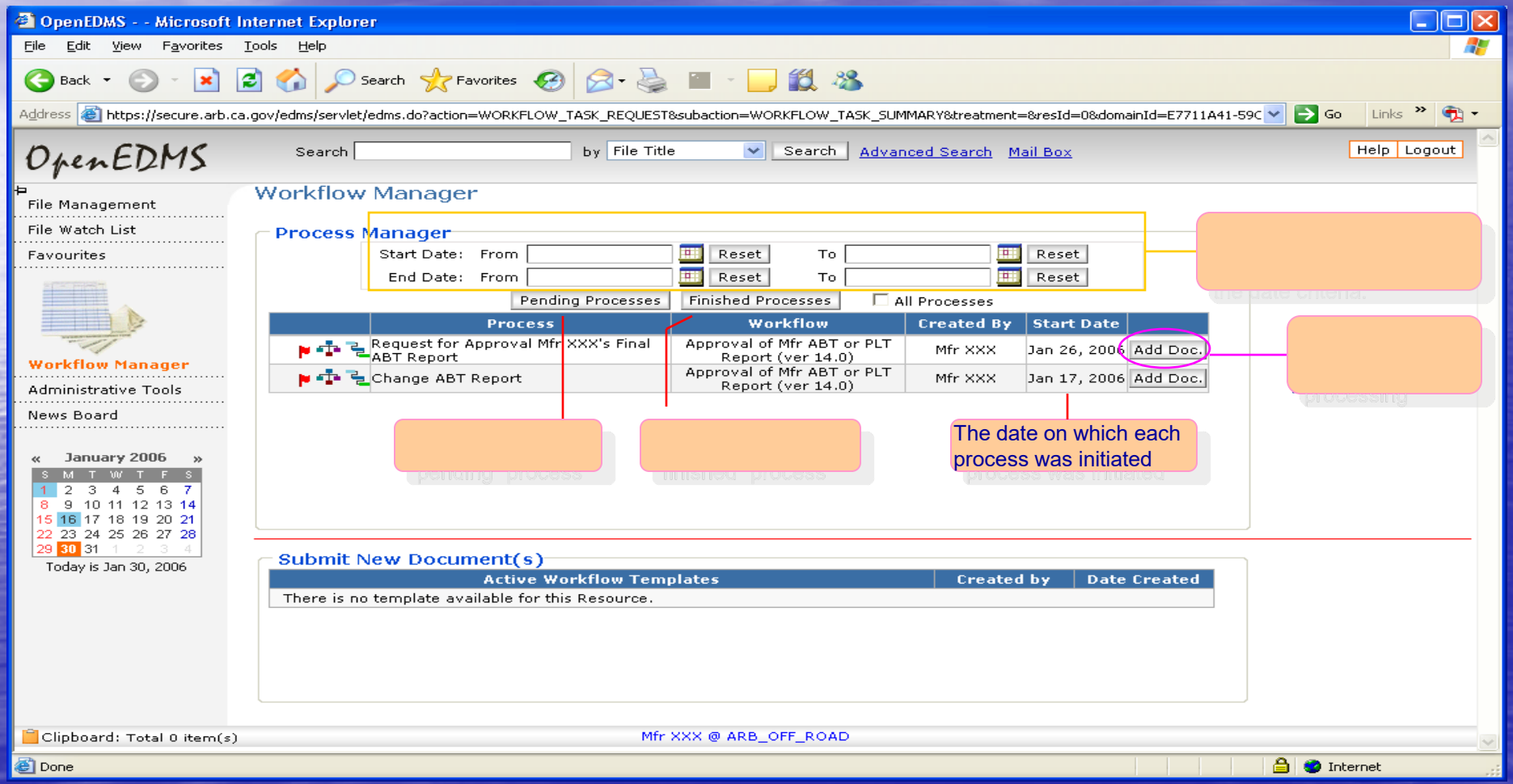
Carl Wick (HD/NR certification modules), wick.carl@epa.gov

Larry Oeler (HD In Use module), oeler.larry@epa.gov

Question and Answer



DMS
Example of a Workflow Process



ARB
DMS Workflow Manager Screen