CAL-VIS ACCOMPLISHMENTS AND FORECAST

DEPARTMENT OF CONSUMER AFFAIRS

Bureau of Automotive Repair

PAUL HEDGLIN
BAR ENGINEERING AND RESEARCH BRANCH
BAR ADVISORY GROUP MEETING
JANUARY 27, 2022
ACCOMPLISHMENTS

• Maintained 100% availability of Cal-VIS services during the reporting period (July - December 2021)
• Completed two quarterly Cal-VIS enhancement and defect releases, including 39 features/enhancements and 43 defect fixes
• Completed an inspection fee invoice redesign resulting in improved readability for payment
• Automated the monthly ledger file as input to the monthly reconciliation process
• Completed the Service Year 2 Annual Customer Satisfaction Assessment Survey and Report to feed into continuous improvement planning and execution
ACCOMPLISHMENTS - CONTINUED

• Supported Third-Party Security Assessment of the Cal-VIS system and processes

• Incorporated new tooling into the Cal-VIS monitoring suite to support application performance monitoring, log aggregation, enhancing the Maintenance and Operations team visibility of system health, while making troubleshooting activities easier and more efficient

• Completed upgrades and validation for prototype and non-production database upgrades and began updates for production Cal-VIS databases to Oracle 19c

• Completed DAD 2.0 technical documentation, including external DAD vendor review/feedback
UPCOMING GOALS

• Complete two additional quarterly Cal-VIS enhancement and defect releases for Q1 and Q2 of 2022
• Complete the production upgrade of the Oracle database management system to the latest supported version
BAR-OIS CHANGES

• **Modified Software Check** - July 19, 2021
  • Fails vehicles with aftermarket software that is not CARB Executive Order approved

• **Release 21.2** - August 2, 2021
  • Added secondary authentication at the conclusion of the inspection
  • Allows newer technology Internet Protocol version 6 (IPv6) gateway addresses since the shorter IPv4 address length will run out of capacity in the future
    • IP address is used to address devices so they can communicate across the internet (e.g., computer to router)
  • Updated screen message instructing users to contact their BAR Field Office instead of the BAR Industry Help Desk when an inspector is restricted from performing inspections
BAR-OIS CHANGES - CONTINUED

• Release 21.2 (continued) - August 2, 2021
  • Blocks certificate purchase orders if the station license is cancelled, expired, suspended, revoked; or if the station is locked out for not paying for certificates or communication fees

• Release 21.3 - October 25, 2021
  • Updated online help to show dynamic data collection portion of the OBD test
  • Updated CARB’s address printed on the Notice of Noncompliance to their new Riverside location
UPCOMING BAR-OIS CHANGES

• **Release 21.4** - February 27, 2022
  • Major maintenance effort to ensure supported software and systems including Oracle 19c database upgrade

• **Release 22.1** - March 28, 2022
  • Hybrid Client infrastructure change (refactor to use .NET6, latest software development platform); requires updated files from all DAD Vendors
  • Notification of Smog Check certificate reordering for BAR-OIS user with Station Owner / Station Manager role
UPCOMING BAR-OIS CHANGES - CONTINUED

• **Release 22.2** - June 20, 2022
  • Windows 11 compatibility
  • Online help updated to match screen message: “Please contact your local BAR field office for assistance.”
  • message appears when the station is prohibited from self-service functions
  • Manage staff menu updated to allow viewing of more than 10 inspectors assigned to a station
    • Allows Referee station owner to see all Referee inspectors and change their BAR-OIS access role when necessary
BIOMETRIC AND REMOTE ACCESS UPDATE

• Proposed Smog Check Equipment and Security regulation status
  • Public hearing held November 21, 2021
  • Final Statement of Reasons prepared with responses to public comments
  • Submitted to Business, Consumer Services and Housing Agency on December 29, 2021

• Implementation
  • BAR planning to start inspector enrollment, device purchase, and BAR-OIS update allowing biometric use on regulation effective date (tentative date of October 2022 subject to change based on regulation adoption schedule)
  • Remote Access implementation date unknown; still in design phase
DAD 2.0 UPDATE

• Data Acquisition Device (DAD 2.0) features:
  • Collects Unified Diagnostic Services (UDS) type of On-board Diagnostic (OBD) data from 2023 and newer model year vehicles
  • Enhanced data collection for improved fraud detection
  • Identifies DAD location (GPS)
• Vendor Integration Test environment to support DAD integration with the BAR-OIS software and BAR certification testing
• Proposed regulations are undergoing informal review
• Will replace current DAD model upon regulation adoption, as early as 2023 (date subject to change based on regulation adoption schedule)
BAR-97 CHANGES

• Removed ability to disable the Low-Pressure Fuel Evaporative Test
• Changed CARB’s address on the Notification of Noncompliance
• Updated vehicle look up tables (VLT) to include vehicle model years through 2050
UPCOMING BAR-97 CHANGES

• Enhanced fraud detection capability
• Testing software to operate on next generation computers
• Eliminate the need for exterior disk drives
• Testing new printer drivers
• VLT installation in all analyzers
QUESTIONS AND COMMENTS

Submit questions and/or comments to:

Paul Hedglin
Bureau of Automotive Repair
10949 N. Mather Boulevard
Rancho Cordova, CA 95670
Phone: 916-403-0315
Email: paul.hedglin@dca.ca.gov