

OBD Inspection System

BAR Advisory Group Meeting

April 16, 2014

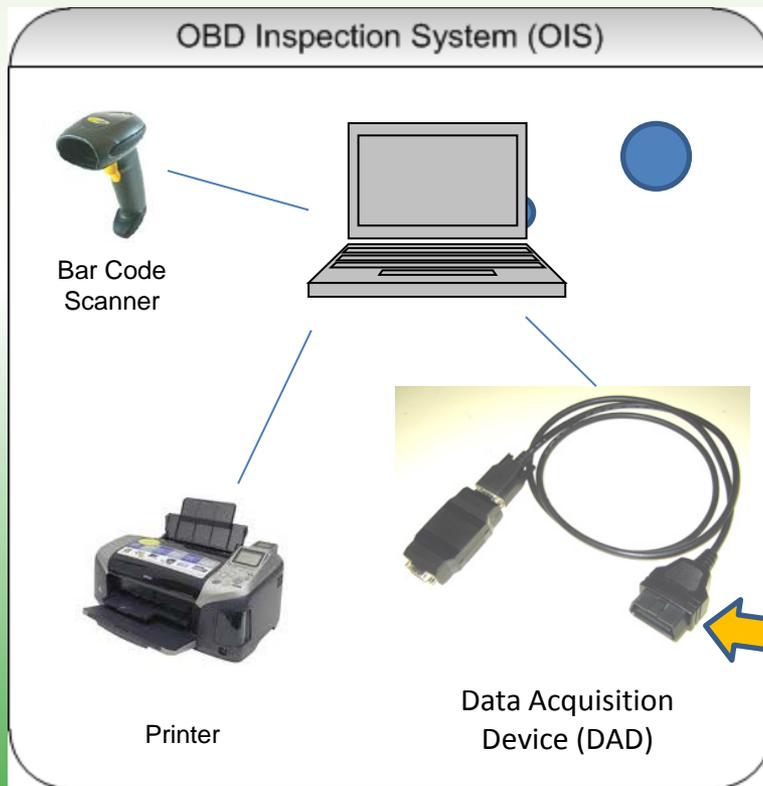


OBD Inspection System (OIS) Conceptual Design

Web based software



Internet Connection



DAD available from BAR certified vendors.
Other equipment off-the-shelf or from various vendors.

DAD Certification Status

- DAD certification on hold since 2/24/14
 - OIS Software improvements
 - VID improvements for stable on-line OIS test
- Certification testing in BAR lab and in the field at Beta stations could resume as early as mid-May
- If certification resumes in mid-May, first DAD Vendor(s) could be BAR certified as early as June

Current DAD Vendor Certification Status as of 3/11/14

DAD VENDOR	CERTIFICATION TESTING STATUS		
	ALPHA	BETA Sacramento Region	BETA Statewide
Applus Technologies, Inc.			✓
Bosch Automotive Service Solutions (formerly SPX)	✓		
Drew Technologies, Inc.			✓
Worldwide Environmental Products		✓	

OIS Implementation

- BAR will begin to activate DADs as soon as DAD vendor receives BAR certification
- DAD activation will ramp up over a few month period this summer; e.g., 400 DADs per week
- Non-Beta stations currently possessing a DAD may have to wait 3 to 6 months from now to get activated
- Once most stations have a working OIS system with a certified DAD, BAR will establish a statewide “Mandatory” OIS use date

OIS Activation Process

- Sign DAD Disclosure Agreement and return to DAD Vendor
- Once BAR certified, DAD Vendor will send BAR weekly list of DADs in stations to activate
- BAR will unlock DAD and contact station
- OIS Software can be downloaded using link that will be posted on www.smogcheck.ca.gov Website

Disclosure Agreement

- Informs station of annual DAD re-certification requirement
- BAR will work with DAD Vendors to correct any issues found with DADs prior to recertification
- If issues not corrected, could jeopardize re-certification of DAD

New Smog Check Manual Start

- Use new Smog Check Manual when OIS activated or when required statewide
- OIS Equipment
 - Most* 2000 & newer vehicles on OIS
 - * some 2000+ without OBDII require BAR-97 inspection
 - All Diesels: same procedure
 - All Hybrids: no visible smoke
- BAR-97 Equipment
 - 1976 to 1995 vehicles: Same procedure
 - 1996 to 1999 vehicles: No visual, functional fuel cap, or timing test
- Available at www.smogcheck.ca.gov, under BAR-OIS link
 - Currently marked “draft” until first DAD vendor certified

OBD Test Standard Changes – Readiness Monitors

- Implement these new standards concurrently on BAR-97 and OIS after OIS “Mandatory” use date
 - Gasoline powered:
 - One monitor allowed for 1996 to 1999
 - Only the evaporative monitor for 2000 and newer
 - [current standards: 1996 to 2000 two allowed, 2001+ any one allowed]
 - Diesel powered:
 - Zero monitors allowed for 1998 to 2006
 - Only the exhaust after-treatment system* monitor (e.g., particulate filter) for 2007 and newer
 - [current standards: same as gasoline]

[* ‘system’ may include several monitors: PM filter, NOx/SCR treatment, catalyst]

OIS Equipment Variations

- Build your own system
 - DAD is only BAR certified component in OIS
 - Off-the-shelf equipment (computer, scanner, printer) is not BAR certified
- Full system with DAD from single vendor who is BAR certified DAD Vendor
- Full system from single vendor who has an agreement with BAR-certified DAD vendor

Does My Station Need OIS Equipment?

2013 Smog Check Manual Equipment Table 1.8.0

EQUIPMENT AND MATERIALS REQUIREMENTS

EQUIPMENT / MATERIALS		STATION TYPE				
		STAR Test Only	Test Only	STAR Test and Repair	Test and Repair	Repair Only
BAR Certified Equipment	BAR-97 Emissions Inspection System (EIS) with most current hardware and software	√	(1)	√	(1)	
	OBD Inspection System (OIS) with hardware and software necessary to conduct OBD inspections	√	(2)	√	(2)	
	Low Pressure Fuel Evaporative Tester (LPFET) and Operator's Manual	√	(3)	√	(3)	
	Fuel cap tester, adapters, and adapter guide	√	(3)	√	(3)	
	Ignition Timing Light capable of measuring ignition advance	√	(4)	√	(4, 5)	(5)

(1) Required when performing a tailpipe emission inspection on vehicles.

(2) Required when performing the OBD test on model-year 2000 and newer vehicles.

(3) Required when inspecting 1976-1995 model-year vehicles with evaporative control systems.

(4) Required when inspecting and / or repairing 1976-1995 model-year vehicles with adjustable timing.

(5) Required when inspecting and / or repairing vehicles with spark ignition engines.

Additional Information

- BAR Website
 - DAD certification status letter

The screenshot shows a web browser window with the address bar at <http://www.smogcheck.ca.gov/>. The page header includes the logo for the Department of Consumer Affairs Bureau of Automotive Repair and a navigation menu with items: Home, Consumers, Industry, BAR Programs, Enforcement, General Information, About BAR, and Careers At BAR. On the left, there are portraits and names of the Office of Governor Edmund G. Brown Jr., Secretary Anna M. Caballero, and Director Denise D. Brown. The main content area is titled "INFORMATION ABOUT" and features a "Hot Topics" section with several links. A red arrow points to the link "California B.T. OIS New Equipment and Inspection Procedures".

Office of Governor
Edmund G. Brown Jr.
Visit his Website

Secretary
Anna M. Caballero
Business, Consumer Services, and Housing Agency

Director
Denise D. Brown
Department of Consumer Affairs

QUICK HITS

- Dept. of Consumer Affairs
- File a Complaint
- Find a Smog Check Station

INFORMATION ABOUT

Hot Topics | Your Car | References | Proposed Smog Check Improvements

STAR Program - Consumer

STAR Wins 2013 best of CA Green IT Award

California B.T. OIS New Equipment and Inspection Procedures

Write It Right - A Guide For ARDs

Report a Gross Polluting Vehicle

SB 94 – Vehicle Registration Renewals

No-Cost Auto Body Inspection Program

STAR Program - Industry

Smog Check Licensing Restructure

Station Signs

CAP Operations Manual and Training Module

Consumer Assistance Program (CAP)

Auto Repair & Smog Check News

Regulatory Hearings

View Video on No-Cost Auto Body Inspection Program

OIS Training – OIS Startup Video

The screenshot shows a web browser window with the URL http://www.smogcheck.ca.gov/80_BARResources/05_Legislative/Rec. The browser's address bar also shows a tab for "New Equipment and Inspec...". The website header includes the logo for the California Department of Consumer Affairs Bureau of Automotive Repair (CA.GOV) and a navigation menu with items like Home, Consumers, Industry, BAR Programs, Enforcement, General Information, About BAR, and Careers At BAR. On the left side, there are portraits of Edmund G. Brown Jr. (Office of Governor), Anna M. Caballero (Secretary), and Denise D. Brown (Director). The main content area is titled "NEW EQUIPMENT AND INSPECTION PROCEDURES" and features a sub-menu with "Stations and Inspectors/Technicians", "DAD Vendors", and "Training". Under the "Training" tab, a red arrow points to the link "California BAR-OIS: Registration and Download Video". Other links in the training section include "California BAR-OIS: Inspector", "California BAR-OIS: Repair Technician and Junior Administrator", "DAD Q&A's for Beta Stations", "California BAR-OIS: Getting Started", "California BAR-OIS: Owner and Manager", and "California BAR-OIS: Senior Administrator".

- OIS Software also has built-in help function

OIS Training – Draft Smog Check Manual

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http://www.smogcheck.ca.gov/80_BARResources/05_Legislative/Rec

New Equipment and Inspec... x

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BAR Intranet - Home(tst) Web Slice Gallery Suggested Sites Google Google Maps

CA.GOV DEPARTMENT OF CONSUMER AFFAIRS
BUREAU OF AUTOMOTIVE REPAIR

Skip to main content

Home Consumers Industry BAR Programs Enforcement General Information About BAR Careers At BAR

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QUICK HITS

- Dept. of Consumer Affairs

NEW EQUIPMENT AND INSPECTION PROCEDURES

Stations and Inspectors/Technicians DAD Vendors Training

BAR-OIS Q&A's

DAD Certification Milestone & Status Summary

DAD Certification Suspension Letter - March 2014

OBD Inspection System Overview - September 2013

BAR-OIS Workshops

DAD Vendor Letter - April 2013 (PDF)

Draft Smog Check Manual

Regulations

Questions

Questions to BAR Help Desk

Email: bar.industryhelpdesk@dca.ca.gov

Phone: 1-866-860-8509