

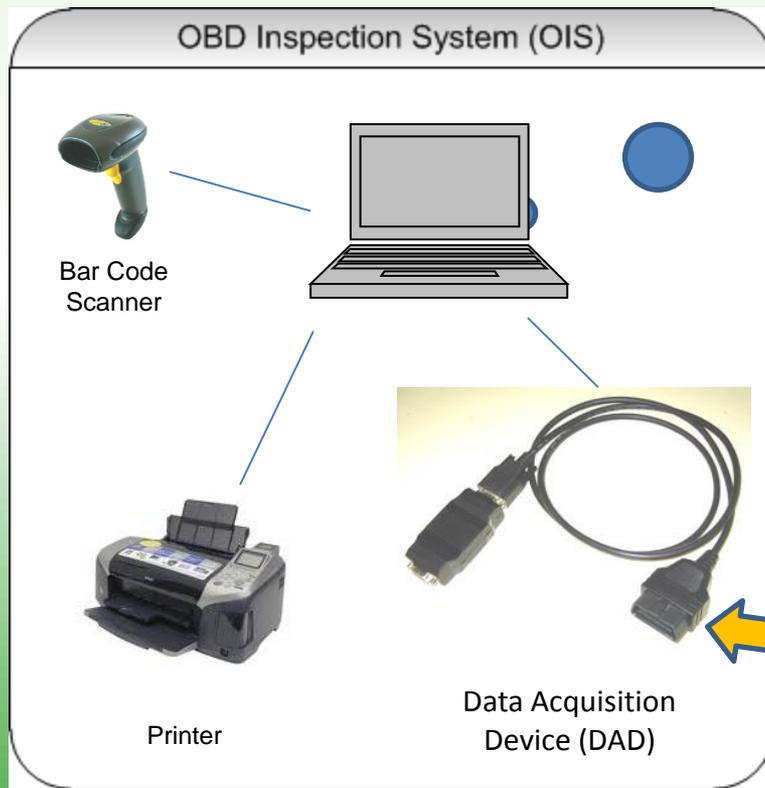
OBD Inspection System

BAR Advisory Group Meeting

July 9, 2014



OBD Inspection System (OIS) Concept



Internet Connection



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

OIS Outreach on BAR's Public Website

- Go to www.smogcheck.ca.gov
- Click the BAR-OIS logo



A screenshot of the California Bureau of Automotive Repair (BAR) website. The browser address bar shows "http://www.smogcheck.ca.gov/index.aspx". The page header includes the "CA.GOV DEPARTMENT OF CONSUMER AFFAIRS BUREAU OF AUTOMOTIVE REPAIR" logo and a search bar. A navigation menu contains links for Home, Consumers, Industry, BAR Programs, Enforcement, Unlicensed Activity, General Information, About BAR, and Careers At BAR. The "INFORMATION ABOUT" section is active, with sub-tabs for Hot Topics, Your Car, References, and Proposed Smog Check Improvements. A red arrow points from the BAR-OIS logo in the top right of the slide to the "California BAR-OIS New Equipment and Inspection Procedures" link in the "Proposed Smog Check Improvements" sub-tab. Other links in the sub-tab include "STAR Program - Industry", "CAP Operations Manual and Training Module", and "Consumer Assistance Program (CAP)".

Updated Items on Website

Stations and Inspectors/Technicians Tab

- Certified DADs
- OIS Status Letter – June 30, 2014
- DAD Certification Milestone and Status Summary
- July 2014 BAG Meeting Presentation
- BAR-OIS Off-the-Shelf Equipment Requirements
- OBD Inspection System Q&A
- 2013 Smog Check Manual

Certified DADs

Bureau of Automotive Repair OBD Inspection System Certified Data Acquisition Devices

VENDOR	MODEL NAME	MODEL NUMBER/TYPE (Wired/Wireless)	DATE CERTIFIED
Applus	Smog DADdy	310-0909 Wired 310-0910 / Wireless	06/13/2014
Drew Technologies	IMclean	01 / Wired bt-01 / Wireless	06/20/2014

NOTICE TO STATIONS: A Disclosure Agreement must be on file with the Bureau of Automotive Repair (BAR) before your station will be able to access the California BAR-OIS Software to begin testing using your new DAD. The DAD Vendor is responsible for providing your station a Disclosure Agreement and submitting your completed agreement to BAR.

Links to Vendor websites

Links to certification documents

OIS Status Letter – June 30, 2014

- Two DAD brands certified
- BAR unlocking up to 400 DADs per week; vendor notifying station when unlocked
- Use 2013 Smog Check Manual when OIS working; see Q&A's for details
- BAR sending at least a 60-day notice of statewide implementation date
- Review OIS Software Download and Registration Video, plus other training

DAD Certification Milestone and Status Summary

- BAR-OIS Deployment began 6/16/14
- DAD Certification Status table

DAD VENDOR	CERTIFICATION TESTING STATUS			
	ALPHA	BETA Sacramento Region	BETA Statewide	DATE CERTIFIED
Applus Technologies, Inc.				06/13/14
Bosch Automotive Service Solutions (formerly SPX)		✓		TBD
Drew Technologies, Inc.				06/20/14
Worldwide Environmental Products		✓		TBD

BAR-OIS OFF-THE-SHELF EQUIPMENT REQUIREMENTS



The Bureau of Automotive Repair OBD Inspection System (BAR-OIS) consists of a certified Data Acquisition Device (DAD) and the following off-the-shelf equipment. Off-the-shelf equipment must meet minimum performance requirements, as specified below, to ensure compatibility with the BAR-OIS software.

REQUIRED EQUIPMENT	MINIMUM PERFORMANCE REQUIREMENTS
Computer	<ul style="list-style-type: none"> • 32 or 64 bit Microsoft Windows operating system versions 7, 8.0, or 8.1 • Internet Explorer version 9, 10, or 11 • Windows 8 RT is not compatible
Bar Code Scanner	<ul style="list-style-type: none"> • Wired or wireless hand-held type • Capable of connecting to the computer (e.g., USB connection, Bluetooth, etc.) • Compatible with Windows operating system • Capable of scanning at least 1-d (linear type) bar codes • OPTION: 2-d (square type) bar code scanner may be used for late model-year vehicles
Printer	<ul style="list-style-type: none"> • Wired or wireless • Any technology (laserjet, inkjet, etc.) • Uses 8 ½" x 11" plain paper • Compatible with Windows operating system

Be advised that while it is possible to build your own OIS system using off-the-shelf equipment meeting the above minimum requirements, you are responsible for issues related to this equipment. BAR only supports issues related to the California BAR-OIS Software. Your DAD vendor is required to support issues related to their DAD. Your vendor may also support issues related to their non-BAR certified equipment including, but not limited to, a computer, bar code scanner, printer, etc.

OBD Inspection System Q&A

- **57 QUESTIONS AND ANSWERS IN THESE CATEGORIES:**
 - INSPECTION PROCEDURES
 - STATION EQUIPMENT REQUIREMENTS
 - OIS START UP
 - OIS TRAINING
 - OIS EQUIPMENT
 - OIS SERVICE
 - OIS SOFTWARE
 - OIS COST
 - OIS PASS-FAIL STANDARDS
 - STAR RELATED
 - CONSUMER RELATED

Station Equipment Requirements: Q&A #11

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)	
	OBID 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.

OIS Startup: Q&A #19

- **19. WHAT STEPS DO I TAKE TO START USING MY OIS?**
 - Return DAD Disclosure Agreement form to DAD vendor
 - Vendor will put your DAD on their list to be unlocked by BAR
 - Review BAR's OIS Registration and Download video on the Intranet
 - When DAD unlocked, vendor will notify you and will provide the OIS Software Registration and Download Website address.
 - Connect to Internet and use link to create a California BAR-OIS software account
 - Download and install the California BAR-OIS software on your computer
 - Follow the DAD vendor's instructions to load the DAD vendor's software (may be pre-loaded) and connect the DAD. Consult your DAD vendor for technical support if necessary.
 - Upon verification of proper communications, the station may perform OIS inspections.

OIS Pass / Fail Standards: Q&A #51

- Implement these new standards concurrently on BAR-97 and OIS after OIS “Mandatory” use date; TBD but projected for late 2014 or early 2015
 - 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]

New (2013) Smog Check Manual

- Use when starting OIS inspections
- 2013 Smog Check Manual use required on mandatory OIS use date (projected December 1, 2014)
 - BAR-97 use allowed until OIS mandatory
- Draft watermark removed
- Date on 2013 Manual will be updated with mandatory use date

New (2013) Smog Check Manual

Inspection Procedure Changes

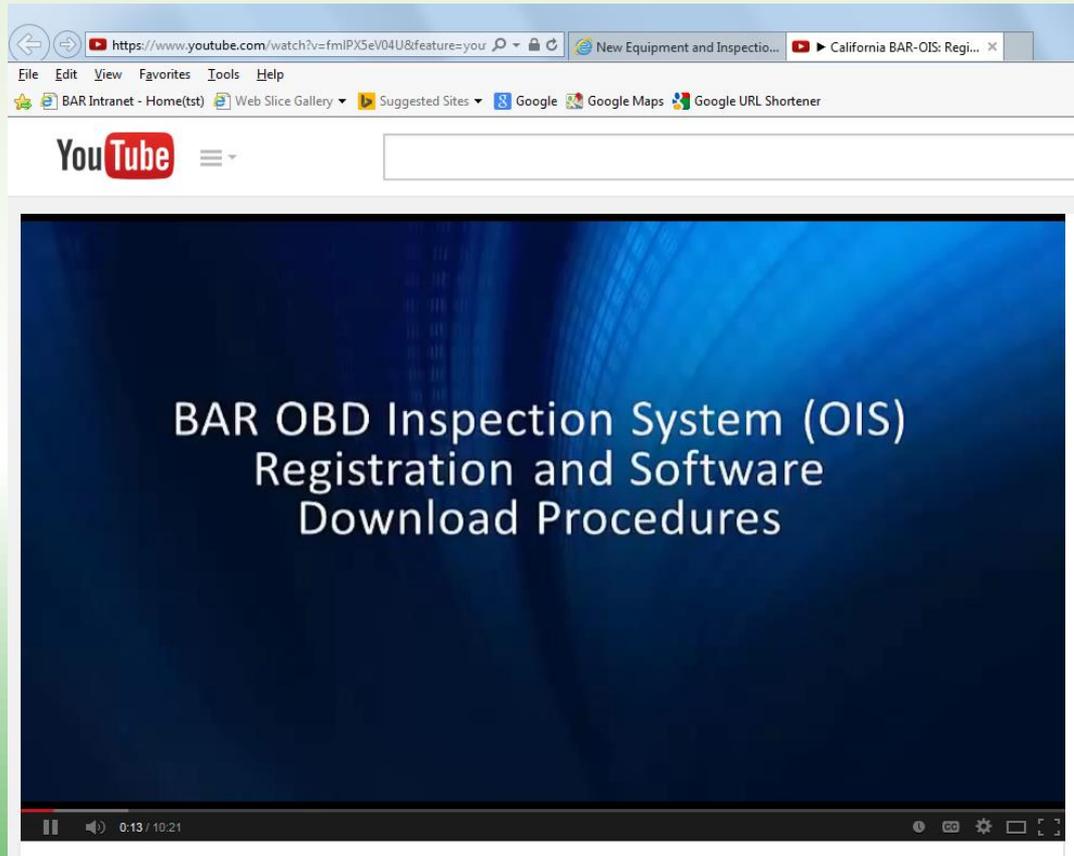
- OIS Equipment
 - Most* 2000 & newer vehicles on OIS
 - [* 2000+ without OBDII or over 14,000 GVWR require BAR-97 inspection]
 - Existing Diesels: same procedure
 - Hybrids: no visible smoke.
 - Inspection required starting December 2014
- BAR-97 Equipment
 - 1976 to 1995 vehicles: Same procedure
 - 1996 to 1999 vehicles: No functional fuel cap, or functional timing test. Visual fuel cap still required (use evaporative system entry)

Updated Items on Website

BAR-OIS Training Tab

- California BAR-OIS: Registration and Download Video
- California BAR-OIS: User Guide

California BAR-OIS: Registration and Download Video



<https://www.youtube.com/watch?v=fmIPX5eV04U&feature=youtu.be>

California BAR-OIS: User Guide

Contents Index Search

Contents

- California BAR-OIS User Interface Guide
 - Introduction
 - Using the Main Menu**
 - Performing Inspections
 - Entering Repair Data
 - Reprinting VIRs
 - DAD Diagnostics
 - Station Management
 - Staff Management
 - Message Management
 - Account Management

California BAR-OIS Help version 5.7.90
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Using the Main Menu

The BAR-OIS Main Menu:

BAR-OIS TRAINING
CB99950
10949 N. MATHER BLVD
R CORDOVA, CA 95670
CV001286

California **BAR-OIS**

Is this not the right station?

Main Menu

 1 Perform Inspection	 2 Repair Only	 3 Reprint VIR	 4 DAD Diagnostics
 5 Manage Station	 6 Manage Staff	 7 Manage Messages	 8 Manage Account

Select **1 Perform Inspection** to initiate a vehicle inspection. Refer to [Performing Inspections](#) for details.

Select **2 Repair Only** to enter repair data. Refer to [Entering Repair Data](#).

Select **3 Reprint VIR** to initiate VIR reprint. Refer to [Reprinting VIRs](#).

Select **4 DAD Diagnostics** to perform OBD diagnostics. Refer to [DAD Diagnostics](#).

Select **5 Manage Station** to set and maintain station settings. Refer to [Station Management](#).

Select **6 Manage Staff** to set and maintain station staff settings. Refer to [Staff Management](#).

Select **7 Manage Messages** to view and manage BAR messages. Refer to [Message Management](#).

Select **8 Manage Account** to set and maintain user accounts. Refer to [Account Management](#).

Refer to [User Login Permissions](#) for role-based **Main Menu** authorizations.

OIS Activation Process

- Sign DAD Disclosure Agreement and return to DAD Vendor. Don't fax to BAR.
- Vendors sending BAR weekly list of certified DADs to activate (unlock)
- BAR unlocking certified DADs at a rate of up to 400 DADs per week to gauge database stability and BAR Industry Help Desk call volume
- Stations need to contact their vendor for unlock status
- Once unlocked, DAD vendor provides link to OIS Software Registration and Download
- Use the OIS which helps BAR test the VID, consumer response, etc.

What is the DAD 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, BAR could decide not to renew DAD certification, causing station to acquire a different DAD that is BAR certified

Questions

- California BAR-OIS Software assistance, use BAR's online training or contact BAR's Industry Help Desk at 866.860.8509 or BAR.IndustryHelpDesk@dca.ca.gov.
- DAD assistance, contact your vendor