

DUTY STATEMENT

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Employee Name:	Current Date: 04/12/2024
Classification: Staff Air Pollution Specialist	Position #:673-910-3875-008
Division/Office: Emissions Certification and Compliance	CBID: R09
Section: On-Board Diagnostics Program Development	
Supervisor Name: Jason Wong	Supervisor Classification: AR Sup I

I certify that this duty statement represents an accurate description of the essential functions of this position.	
Supervisor:	Date:

I have read this duty statement and agree that it represents the duties I am assigned.	
Employee:	Date:

SPECIAL REQUIREMENTS OF POSITION (IF ANY):

- Designated under Conflict-of-Interest Code.
- Duties performed may require pre-employment physical.
- Duties performed may require drug testing.
- Duties require participation in the DMV Pull Notice Program.
- Requires the utilization of a 32-pound self-contained breathing apparatus.
- Operates heavy motorized vehicles.
- Requires repetitive movement of heavy objects.
- Works at elevated heights or near fast moving machinery or traffic.
- Performs other duties requiring high physical demand. (Explain below):
- Duties require use of hearing protection and annual hearing examinations.

SUPERVISION EXERCISED

<input type="checkbox"/> None	<input type="checkbox"/> Lead Person
<input type="checkbox"/> Supervisor	<input type="checkbox"/> Team Leader

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FOR SUPERVISORY POSITIONS ONLY: Indicate the number of positions by classification that this position **DIRECTLY** supervises:

Total number of positions in Section/Branch/Office for which this position is responsible:

FOR LEADPERSONS OR TEAM LEADERS ONLY:

Indicate the number of positions by classification that this position **LEADS**:

MISSION OF SECTION: The On Board Diagnostics (OBD) Program Development Section, within the Emissions Certification and Compliance Division, is responsible for the development and implementation of new OBD system requirements for motor vehicles. The section also assesses new engineering developments and technologies related to the reduction of motor vehicle emissions and its potential impact on OBD. The section is also responsible for development of program policy documents for guidance to manufacturers and program staff, and for coordinating and advising internal and external stakeholders on OBD-related activities.

CONCEPT OF POSITION: Under the direction of the Section Manager, the Staff Air Pollution Specialist serves as an independent specialist in motor vehicle regulation and policy activities including motor vehicle-related rulemaking assignments, emission control technology assessments, and legislative proposals. Has project responsibilities with sensitivity and complexity usually dealing with controversial issues that are critical to the Board's basic mission. Assignments may require the development of broad policy and legislative proposals that have long range impact.

<u>% OF TIME</u>	<u>RESPONSIBILITIES OF POSITION</u>
35%-E	Represent California Air Resources Board (CARB) as an OBD expert and lead stakeholder discussions to investigate and develop future OBD concepts and regulatory requirements. Prepare documents for internal and external use for program and regulatory development, including technical feasibility studies, regulations, and economic impact assessments. Advise the regulatory development staff in updating the light-duty and heavy-duty OBD regulations to reflect the standards and technologies resulting from increasingly more stringent emission standards.
10%-E	As a CARB expert in motor vehicle regulations and policy development, evaluate and shape policy regarding OBD II system design implementation. This responsibility involves interfacing with engineers and other representatives from vehicle manufacturers, performing highly technical engineering analyses on provided information, and evaluating results of laboratory testing of manufacturers' diagnostic system designs using engineering principles.
10%-E	Using technical expertise and engineering principles, assess evolving engineering developments related to the implementation of Heavy-Duty (HD) OBD and Light-Duty (LD) OBD. Duties include participation in evaluation of diagnostic system concepts and strategies for both HD and LD vehicles for support of sometimes controversial rulemaking related documents for CARB, motor vehicle and engine manufacturers, and other interested parties. Interface with Society of Automobile Engineers International and industry on the development and improvements to industry standards for both HD and LD OBD communications.
10%-E	Provide OBD consultation based on technical expertise and engineering experience to other CARB programs that want to implement programs (e.g., aftermarket parts, zero-emission powertrain, zero-emission vehicle, off-road engines) that are affected by OBD requirements or have OBD types of features to keep in-use emissions low.
10%-E	Review future emission control technologies and proposed OBD solutions for compliance with the OBD requirements. This involves interfacing with engineers and other representatives from vehicle, engine, and component manufacturers to understand the technologies and using sound principles of

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	engineering, science, and statistics to determine the effect on emissions and whether proposed diagnostic algorithms robustly detect malfunctions that affect emissions or OBD system performance.
10%-E	Develop policy recommendations and support documents for other motor-vehicle related emission control strategies and rulemakings using technical expertise and knowledge of motor vehicle emission controls, existing regulatory programs, and capabilities of future model year vehicles to meet increasingly more stringent emission standards for light-, medium-, and heavy-duty motor vehicles.
10%-E	As an OBD program expert, mentor newer OBD staff on how to navigate the OBD program requirements. This involves providing guidance to other staff for the review and approval of manufacturers' certification applications for both HD and LD OBD system designs, interfacing with engineers and other representatives from vehicle manufacturers, performing engineering analyses on information provided; making decisions on the acceptability of manufacturers' diagnostic system designs, and leading cost analysis of OBD regulatory proposals by applying the relevant regulations and using sound principles of engineering, science, statistics; and writing approval letters documenting the certification status of the systems. Travel (in-State, out-of-State, and internationally) as required to perform the duties of this position and represent CARB.
5%-M	Perform other OBD-related duties as required. Work on special projects and perform other duties as required which fall under the scope of this classification.