



## Institute of Police Technology and Management

# Bosch CDR Tool Technician Training - Online

*This is an independent study, self-paced course.*

This course will provide you with an understanding of the components of the Bosch© Crash Data Retrieval (CDR) Tool and the basic functions of the hardware and software. You will learn how to confidently collect and preserve data from various vehicle modules - including the airbag control module - from a variety of modern vehicles.

We will begin by learning some basic terms and definitions and the differences between the crash data retrieval (CDR), airbag control module (ACM) and event data recorder (EDR). We will discuss how to determine whether a vehicle is supported with the Bosch© CDR tool. You will learn how to select the appropriate method to get the data, and then how to preserve and save the collected data for later analysis.

We will present you with the proper techniques to use when collecting EDR data. You will learn how to troubleshoot data collection issues, how to prevent the corrupting or spoiling of data during extraction, and the legal issues you need to consider. In addition, we'll teach you how to use the Bosch© CDR Tool Help File as a current and future resource.

## Topics Include

- Terms and definitions
- NHTSA Part 563 introduction
- Bosch© CDR Tool hardware
- Bosch© CDR tool software
- How to identify "supported" vehicles
- Cable and adapter selection
- The data collection process
- In-vehicle (DLC) data collection
- Direct to module (D2M) data collection
- Accessing vehicle components
- Vehicle safety
- Assessing and documenting the vehicle condition
- Vehicle owner's manuals

- Using digital multi-meters
- Repowering options for DLC data collection
- Troubleshooting
- What to do after the data has been collected

To successfully complete the course, you will be required to use the Bosch© CDR tool to conduct a total of five data collections from any Bosch supported vehicles. The vehicles do not have to be damaged or involved in a crash and operable vehicles may be used. Three of the data collections will be done through a vehicle's diagnostic port, and two will be done directly to a module (in or out of the vehicle). The data obtained during these self-guided practical exercises will need to be uploaded into the online system.

Prior to the start of the course, you must have in your possession:

- Bosch© CDR Software\* and Activation Certificate (Not included)
- Bosch© CDR DLC tool kit and direct-to-module (D2M) cables (As needed)
- 12-volt automotive battery jump-pack with cigarette lighter plug
- Digital multi-meter (Extech MN36 strongly recommended)
- Various hand tools, including metric and imperial sockets
- A 12" bar clamp with a "throat" depth of at least 3"

\* IPTM recommends using the latest software to learn the full functionality of the current Bosch software. Bosch software installation and activation should be done prior to starting the class.

## Audience

This course is best suited for field investigators, insurance investigators and adjusters, those involved in vehicle documentation and examinations, or previous attendees who haven't had training within three-five years. The course is applicable to both law enforcement and private traffic crash investigators.

## Course Length

24 hours

## Note

This course must be completed within 30 days of registration and receipt of payment.

# Online Details

**Online environment:** You will have 30 days to complete this self-paced course, which consists of two methods of instruction: formalized training modules and a self-guided practical exercise. The class is arranged in modules, and each module is centered around an online video and some practical exercises. During the course, you will be required to demonstrate your ability to use the Bosch CDR Tool by collecting data from five different vehicles and submitting the applicable files. You should plan to dedicate approximately 16 hours to the course activities and 8 hours to the practical exercises. Once the 30-day period has ended, you may no longer have access and be required to re-enroll. Additional fees may apply.

The instructor will be available by email and help forum throughout the course.

**Computer requirements:** Computer requirements: You will complete the course entirely online. A dependable broadband internet connection with a Windows or Mac computer is required. You will also need a valid e-mail account and a Windows compatible laptop running Windows 10 or higher with a serial port (USB or serial). Adobe Acrobat Reader (free download) is required. Assignments will require you to upload data and/or EDR files.

**Note for international students:** You must have access to five Bosch© CDR-covered vehicles. This may require significant effort if you are not in one of the Bosch© covered regions (USA, Canada, Mexico, Australia, New Zealand, China, Brazil, Japan, Europe and Puerto Rico). If you are in a foreign country and/or do not have access to the equipment, you are welcome to take the class and exams but will not be eligible for a certificate if you are unable to complete the required practical applications.

## ACTAR Information

The *Bosch© CDR Tool Technician Training* course is eligible for 16 ACTAR CEUs.

## Related Courses

- [Bosch© CDR Tool Technician Training](#)
- [Bosch© CDR Tool Technician Training - Online](#)
- [Hyundai-Kia & Tesla EDR Tools Technician](#)
- [Hyundai-Kia & Tesla EDR Tools Technician - Online](#)
- [Event Data Recorder Use in Traffic Crash Reconstruction - Level I](#)
- [Event Data Recorder Use in Traffic Crash Reconstruction - Level I - Online](#)
- [Event Data Recorder Use in Traffic Crash Reconstruction - Level II](#)
- [Heavy Vehicle Electronic Control Module Data Use in Crash Reconstruction](#)

*This course is not eligible for certificate discounts.*

## Bosch CDR Tool Technician Training - Online

### Ongoing Online

Instructor: **Kent E. Boots**

**Fee: \$795.00**

**Note:** Log-in instructions will be included in the confirmation letter sent to the email address listed in the student profile. Students will have **30 days from the time of registration** to complete the training.

12000 Alumni Drive  
Jacksonville, Florida 32224  
(904) 620-4786  
(904) 620-2453 FAX  
**info@iptm.org**  
**View Map**