



Event Data Recorder Use in Traffic Crash Reconstruction - Level I

(40 Hours)

This course will teach you how to analyze any event data recorder (EDR) data you encounter, regardless of the manufacturer. You will also learn how to analyze the EDR data which has been collected with any imaging tools, including propriety manufacturer tools, as well as from future vehicles not yet released.

We will teach you how to use EDR data with roadway evidence calculations to yield a complete reconstruction considering all available evidence. Simple checklists and guides will be provided to improve your consistency and accuracy. Supplied templates will take some of the work out of more complex analysis.

You will be given many EDR reports from real world crashes and will work in teams to analyze the EDR data and reconcile it to the scene evidence you are given. Comprehensive solutions to these problems will be distributed for future reference.

During the course, we will teach you how to:

- Analyze any set of EDR data you encounter, regardless of manufacturer
- Determine if the event recorded is from your crash
- Identify circumstances where EDR data is incomplete or has nothing to do with your crash
- Understand Delta-V
- Use EDR Delta-V along with other scene evidence to get closing speed and speed at impact
- Use Delta V from the vehicle with the recorder to determine the Delta V of the other vehicle
- Recognize vehicle operational conditions that would cause EDR speed data to not accurately reflect true vehicle speed
- Determine the effect that equipment modifications have on EDR speed data
- Use pre-crash data to identify when a vehicle lost control in order to select the peak speed before the vehicle lost control

- Calculate the appropriate ranges for Speed at Impact for different EDR's
- Use time-distance analysis to estimate the point of first perception
- Utilize EDR data to gain previously unavailable insight into driver behavior and approach speed
- Use OEM specific Excel[®] templates to analyze EDR data
- Support Frye and Daubert hearings with references to copyrighted research and non-copyrighted items
- Show analytical tools techniques for heavy truck data

Notes: This class **does not** include technician training to operate the Bosch[®] Crash Data Retrieval Tool. Training to become a CDR Technician is available online in IPTM's Bosch[®] CDR Tool Technician Training by IPTM course. Experience with the Bosch[®] CDR tool is not necessary to register for or complete this class.

Prerequisite: You must have successfully completed IPTM's Advanced Traffic Crash Investigation course or its equivalent and have an understanding of traditional scene evidence traffic crash reconstruction such as slide to stop formulas, momentum analysis, and critical speed yaw analysis.

Audience: Law enforcement and private traffic crash investigators, insurance fraud special investigators and claims adjusters, engineers, attorneys, safety officers, military investigative personnel, collision animation and simulation graphics users

Course Fee: \$795

REGISTRATION AND FEES

Full payment must accompany all registrations. You may register online at www.iptm.org and pay with your Visa, MasterCard, Discover or American Express credit card, or you may download a registration form and mail it to IPTM with a check.

CANCELLATION/REFUND POLICY

Complete the Cancellation Request Form and return it to IPTM. No telephone cancellations will be accepted. A 20% administrative fee will be assessed to all refunds if the cancellation request is received within 14 days of the course start date. In lieu of a refund, student substitutions can be made or a credit can be issued for a future course. No refunds will be given for no-shows.

COURSE CONFIRMATIONS

A minimum number of registrations must be received for a class to run as scheduled. When the minimum criterion has been met, written confirmation will be mailed, faxed, or emailed to you.

Please do not make airline reservations until you receive written notification confirming that the course will run as scheduled.

TRANSPORTATION AND LODGING

Most locations are served by several major airlines. Ground transportation, food and lodging are the responsibility of the student. However, hotels in the listed areas offer a special rate to IPTM program participants. For more information, please visit our website at www.iptm.org or call us at (904) 620-IPTM.

CONTINUING EDUCATION UNITS



This Event Data Recorder Use in Traffic Crash Reconstruction - Level I course is eligible for 40 ACTAR CEUs. IPTM Continuing Education Units (CEUs) are also available. Please call us at (904) 620-IPTM for details.

**To register for this course online,
please visit our website at:
www.iptm.org**