

Hands-On Vehicle

Fire/Arson Investigation

Tactics, Techniques and Procedures in Vehicle Fire Origin and Cause Determination, Investigation and Documentation

Course Objectives:

This three (3) day training module will provide the fire/arsen investigator with the practical and technical skills necessary to investigate and determine the origin and cause of vehicle fires.

This training module will provide both classroom and hands-on training with practical exercises on how to conduct a systematic, thorough, and scientific examination of the vehicle.

Attendees will be provided the necessary knowledge of vehicle design, electrical systems, fuel systems, and their components that will be encountered in a motor vehicle, including alternative fuels. We will examine how these components can fail or cause fires.

Upon Successful Completion:

Attendees will have been provided the necessary skills and knowledge to:

- ▶ Demonstrate the proper systematic approach and scientific method necessary for examining vehicle fires.
- ▶ Understand basic vehicle design and electrical systems.
- ▶ Demonstrate a working knowledge of wiring used in motor vehicles and the presence of electrical activity on those wires.

- ▶ Demonstrate a working knowledge of safety devices (fuses, breakers and fusible links or cartridges).
- ▶ Demonstrate the knowledge on how to properly document the vehicle fire.

- ▶ Demonstrate the knowledge to photographing the vehicle fire scene in a systematic manner.
- ▶ Demonstrate the knowledge of collecting evidence from the vehicle fire scene.

- ▶ Demonstrate the knowledge in accordance with National Fire Protection Association 921 Guide for Fire and Explosion Investigation 2008 edition and 1033 Professional Qualifications for Fire Investigators 2009 edition.
- ▶ Demonstrate knowledge of how to obtain recall, technical service bulletin information, consumer complaint information and general research information regarding vehicle fire investigation.

- ▶ Attendees will learn the proper techniques for documenting, photographing, evidence collection and preservation including preparing a proper written report.
- ▶ An in-depth CD with valuable detailed information will be supplied.

Seminar Agenda

Hands-On Vehicle Fire/Arson Investigation
Tactics, Techniques and Procedures in Vehicle Fire Origin and Cause Determination, Investigation and Documentation

March 15, 16 & 17, 2010 • Loveland, Colorado

Monday, March 15, 2010

8:00 a.m. - 8:30 a.m. Registration

8:30 a.m. - 9:00 a.m. Vehicle Fire Overview

9:00 a.m. - 12:00 p.m. Basic Vehicle Design and Electrical Components

12:00 p.m. - 1:00 p.m. Lunch (On Your Own)

1:00 p.m. - 5:00 p.m. Vehicle information continued. Live burns will be conducted weather permitting (class participation)

Tuesday, March 16, 2010

8:00 a.m. - 12:00 p.m. Vehicle Examination, Documentation Vehicle Component and burn pattern diagramming, and Narrative Repair, Use of Internet Research for Vehicle Recalls, Technical Service Bulletins, Sample Collecting and Documentation

Important Referenced Information from NFPA 921, 1033 and FMVSS 301, 302,303,304 & 305

12:00 p.m. - 1:00 p.m. Lunch (On Your Own)

1:00 p.m. - 5:00 p.m. Hands-On Vehicle Examination and Documentation

Group Exercise
NOTE: Each group will be provided with the tools and digital cameras to accomplish their vehicle investigation and examination.
NOTE: You may bring your own cameras and/or video equipment if you wish to take pictures or video to keep for yourself.

Wednesday, March 17, 2010

9:00 a.m. - 12:00 p.m. Heavy Equipment Investigation, Introduction to Hybrid Vehicles, Group Presentations, Practical and written test.

12:00 p.m. Certificate Presentation

Cut Along Dotted Line

3 Ways to Register for a Seminar!

1. On-line Registration at www.patc.com — Yellow/Blue link in corner
2. Fax Form to Public Agency Training Council FAX: 1-317-821-5096
3. Mail Form to

Public Agency Training Council
5235 Decatur Blvd
Indianapolis, Indiana 46241

Federal ID# 35-1907871

*** Pre-payment is not required to register ***

Upon receiving your registration we will send an invoice to the department or agency. Checks, Claim Forms, Purchase Orders should be made payable to: Public Agency Training Council

If you have any questions please call

317-821-5085 (Indianapolis)
800-365-0119 (Outside Indianapolis)



Seminar ID #8797

Seminar Location: Loveland Fire & Rescue Training Facility
100 E Fire Engine Red St.
Loveland, CO 80537

When: March 15, 16 & 17, 2010

NOTE:

To receive discounted room rate, identify with Public Agency Training Council.

Registration Time: 8:00 A.M. (March 15, 2010)

Hotel Reservations: Comfort Inn & Suites
1500 N Cheyenne Ave
I-25, Exit 257B (Loveland)
Loveland, CO 80538
1-970-593-0100
\$69.00 Single or Double

Registration Fee: \$295.00 Includes Hand-outs, Hands-On Vehicle Fire Investigation Manual, Coffee Breaks, and Certificate of Completion.

Names of Attendees 1.

2.

3.

4.

Agency

Invoice To Attn: (Must Be Completed)

Address

City

State Zip

Email

Phone

Fax

Note: New and up to date for 2010—Please Read

This training module will utilize both classroom and hands-on practical exercises to maximize learning. For the practical exercises, we will provide the evidence collection containers, evidence tape, digital cameras, gloves and any necessary equipment to conduct a practical vehicle examination. This exercise may require some vehicle reconstruction.

We recommend you bring a helmet or hardhat, coveralls, boots, etc.

Important: This three (3) day training module is presented in a very user friendly and easy to understand method of instruction. You will be able to put into immediate practice the skills you learn in this training.

For I.A.A.I. Certified Fire Investigators or those considering challenging the CFI test, testing will be provided at the end of the seminar and will be worth 6 points.

"The Certified Fire And Explosion Investigator (C.F.E.I.) Examination" & the CVFI Certified Vehicle Fire Examination (CVFI) will be offered at this seminar

The above tests and their Applications will be Accepted At This Class. Examinations will be offered the first or second evening. Certifications will be granted to those whose applications are accepted and who pass the examination. Applications for membership and certification will be available at the class. It is recommended that you go to www.nafi.org and download and fill out the applications prior to the seminar.

For additional information call the NAFI office at (877) 506-NAFI or visit the Website at www.nafi.org Membership is \$45.00 CFEI test is \$125.00. CVFI test is \$100.00

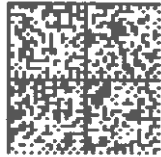
Note: Please go to <http://www.nafi.org> click on forms, download the CFEI Membership application and have completed prior to class.

Who Should Attend:

Fire/Arson Investigators, Public or Private Sector, Insurance Industry, Fire Fighters, Law Enforcement Officers/Investigators, Prosecutors, Federal State, County or Local Level Investigators, Military Investigators, Engineers, and anyone who is tasked with the duty of Investigating Vehicle Fires.



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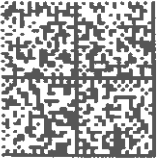
Public Agency Training Council
5235 Decatur Blvd
Indianapolis, Indiana 46241
Phone: 1-800-365-0119
Fax: 317-821-5096
Email: information@patc.com
Visit us on the Web at:
www.patc.com

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WESTMINSTER CO 80030-5748



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Sponsored By:
Loveland Fire & Rescue Department
Loveland, Colorado

Hands-On Vehicle Fire/Arson Investigation Training Seminar

NAFI Certified Vehicle Fire Investigator Test will be offered. The requirements are as follows: You must be a CFEI or a CVFI. You should have examined 25 vehicles fires or more. The cost of the test is \$100.00 for the examination & \$45.00 if not a member of NAFI. The application can be downloaded at <http://www.nafi.org> then click on forms. Applications will be available at the seminar. Please be sure to bring documentation for the application. You can take the CFEI & CVFI at the seminar. We always recommend you download and fill out the application prior to the seminar.

Instructors:

Tim Yandell, CFEI, CVFI Certified
State of Oklahoma (Retired)

Tim Yandell, retired in 2004 from Ponca City Fire Department as a Captain in fire suppression and investigations. Tim currently investigates Fire Origin and Cause of Structure and Vehicle Fires, Mechanical Failure Examinations, Evidence Preservation/Collection, as well as, testifying in both Criminal and Civil Litigation Cases through Yandell Fire Investigations and Consultants. Tim has been examining fire scenes for twenty years. He has an extensive background in automotive and heavy equipment, as well as, Origin and Cause investigations on structure fire losses. Tim has authored and co-authored two fire training manuals- Vehicle Fire/Arson Investigation and Fire Investigation Based On NFPA 921 and NFPA 1033. Tim lectures nationally to Local, State, Federal Agencies, Insurance, private, and military investigators, prosecutors, vehicle manufacturer representatives and their engineers.

Steve Riggs, CFEI, CVFI & CFI Certified

State of Oklahoma (Retired)

Steve Riggs retired after twenty-two years of Law Enforcement, and Fire Service Experience in Oklahoma. Steve has been examining fire scenes for 33 years. Steve has extensive training in Fire Cause Determination, Criminal Investigation, Evidence Processing, Interviewing Techniques, and Case Management. He is a certified Police and Fire Instructor, and a Certified Fire Investigator. Mr. Riggs has successfully been involved in many Fire/Arson Prosecutions in Oklahoma, and was involved in a Federal Prosecution. To date, he has never lost an arson case. Steve has authored and co-authored several training manuals and written "A Critical Analysis of NFPA 921 User's Manual 2nd Edition. Steve lectures nationally to Local, State, Federal Agencies, Insurance, private, and military investigators, prosecutors, vehicle manufacturer representatives and their engineers. Steve continues to examine fires in the private sector and Yandell Fire Investigations and Consultants in Oklahoma.

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Register On-Line At: www.patc.com

Public Agency Training Council
Jim Alsop, Director
National Criminal Justice
Public Safety Continuing Education