

BOE TRAINING ADVANTAGES

BOE offers personalized, common-sense employee training and testing covering the relevant regulatory requirements of 49 CFR §172.704, emphasizing hazardous materials safety and regulatory compliance problems that veteran BOE Inspectors have encountered in the field. Furthermore, BOE's training modules go beyond the basics and fully cover:

- General Awareness and Familiarization
- Shipping Papers
- Marking and Labeling
- Placarding
- Packaging
- Tank Car Loading and Unloading
- Cargo Tank Loading and Unloading
- Tank Car Repairs and Shop Requirements
- Railroad Operations and Hazardous Materials Rules
- Security Awareness

BOE INSPECTORS

Experienced Inspectors form the backbone of the BOE. They are thoroughly familiar with the U.S., Canadian, and Mexican regulations that apply to hazardous materials transportation. Particularly well-qualified in the areas of tank car design, construction, and damage assessment, they are also certified AAR Specification M-1003 Quality Assurance auditors. They are strategically located throughout North America to provide efficient services to BOE members.



SECURITY AND EMERGENCY RESPONSE TRAINING CENTER

Distinct from and not managed by the BOE, the Security and Emergency Response Training Center (SERTC) is located at the Transportation Technology Center near Pueblo, Colorado.

SERTC offers the most comprehensive and practical training for hazardous materials emergency response available anywhere. A variety of railroad, highway, and intermodal transport containers offer the opportunity for hands-on familiarization of equipment. Multiple scenarios provide simulated response opportunities to challenge the decision making skills of students under highly stressful situations.

SERTC offers the following courses:

- Hazardous Materials Technician
- Tank Car Specialist
- Advanced Tank Car Specialist
- Intermodal Specialist
- Incident Commander
- Highway Emergency Response Specialist
- Hazardous Materials Monitoring
- Transportation Specialist Refresher

Courses are offered throughout the year at the center and are available at customer locations worldwide. Full-scale, hands-on training on modern equipment is the hallmark of SERTC. Customized training programs are also available. For further information, please call 719-584-0584 or visit www.hazmattraining.com.



The Bureau of Explosives



Phone: 719-584-0749
Fax: 719-584-7151
Email: boe@aar.com
Web: <http://boe.aar.com>

Mailing Address

Bureau of Explosives
Transportation Technology Center, Inc.
55500 DOT Road
Pueblo, CO 81001



The Bureau of Explosives
is managed by the
Transportation Technology Center, Inc. (TTCI)
A Subsidiary of the
Association of American Railroads (AAR)



BOE HISTORY AND MISSION

The Bureau of Explosives (BOE) is a unique membership organization dedicated to helping carriers, shippers, and container manufacturers continually improve hazardous materials transportation safety. Formed in 1907 by the railroad industry to serve as a self-policing agency to advance the safe transportation of explosives and other dangerous articles, the BOE actually developed the first hazardous materials safety rules, which were later adopted and expanded upon by the Interstate Commerce Commission and later the U.S. Department of Transportation (DOT). Today's BOE continues to provide valuable products and services that promote compliance with federal hazardous materials regulations and industry safety standards.

Members of the Association of American Railroads (AAR) are automatically members of the BOE.

Affiliate BOE memberships are also available to:

- Hazardous materials producers and shippers
- Tank car and other container manufacturing, repair, or reconditioning companies
- Rail, highway, pipeline, and marine carriers of hazardous materials
- Anyone interested in the safe transportation and storage of hazardous materials

BOE MEMBERSHIP SERVICES

Railroads

- Emergency response assistance, including tank car damage assessment
- Training and testing for employees to meet or exceed the requirements of 49 CFR §172.704
- Inspections of rail yards to ensure that railcars are being accepted and released for transportation in accordance with regulations. BOE Inspectors follow up with shippers to correct deficiencies, especially when linked to non-accident releases of hazardous materials
- Independent, confidential regulatory compliance audits for placarding, car placement, documentation, and other requirements
- Monthly electronic updates of hazardous materials shipping descriptions and commodity specific emergency response information for use on shipping papers

Shippers

- Employee training and testing in the regulations, including: proper preparation of shipping papers, marking, labeling, placarding, and packaging selection
- Training and testing for safe loading and unloading of railcars and other containers
- Independent, unbiased, confidential audits of loading, unloading, and shipping operations to evaluate regulatory compliance status and opportunities for safety improvement. Inspection results are not shared with any other organization
- Hazardous materials safety problem solving and consulting
- Monthly electronic updates of hazardous materials shipping descriptions and commodity specific emergency response information for use on shipping papers

Tank Car Manufacturing and Repair Companies

- Quality Assurance audits as prescribed by the AAR *Manual of Standards and Recommended Practices*, Specification M-1003
- Certification and re-certification inspections of tank car manufacturing and repair facilities to ensure compliance with the AAR *Manual of Standards and Recommended Practices*, Specification M-1002

BOE MEMBERSHIP BENEFITS

- One complimentary copy of the *BOE Tariff 6000* and reduced prices for all BOE publications
- Reduced fees for services offered by expert BOE Inspectors, including: regulatory and industry standards compliance audits, regulations training and testing, and other hazardous materials safety problem solving and consulting
- Reduced registration fees for the annual BOE Hazardous Materials Seminar



BOE PUBLICATIONS

The BOE produces several important publications, which are available at a discount to BOE members. Among these publications are:

- *BOE Tariff 6000* – A reprint of DOT's Hazardous Materials Regulations, with supplemental information and guidance, in an easy-to-use format and updated quarterly. Also available on CD-ROM, containing current versions of the Emergency Response Guidebook and Transport Canada's Dangerous Goods Regulations as bonus materials
- *Emergency Action Guides* – Detailed chemical identification and emergency response information for more than 260 chemicals shipped primarily in bulk in North America. A must for every hazardous materials emergency response team
- *Emergency Handling of Hazardous Materials in Surface Transportation* – Commodity specific descriptions and emergency response information for all DOT-listed hazardous materials and many specifically named chemicals transported under generic DOT descriptions. In addition, materials regulated only by Transport Canada and/or the International Maritime Organization are included
- *Field Guide to Tank Car Identification* – Aids first responders in the identification of various types of tank cars that may be encountered at an emergency response scene

Phone: 412-741-1096
Fax: 412-741-0609
Email: boeorders@abdintl.com
Web: www.boepublications.com

BOE HAZARDOUS MATERIALS SEMINAR

An annual event where hundreds of hazardous materials professionals gather to attend technical sessions and innovative training workshops presented by recognized experts in the rail, trucking, and chemical industries, as well as representatives from DOT and Transport Canada. Many workshops satisfy DOT/OSHA requirements for annual training.

The event also features an exhibit hall, where numerous organizations display and demonstrate their latest products and services related to the safe transportation of hazardous materials and emergency response situations that sometimes arise.