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# EXPLOSIVES SAFETY REFRESHER TRAINING

Presented by



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July, 2011

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## Why Explosives Safety Refresher?

- Ensure explosives safety is routinely practiced by all employees.
- Maintain safety awareness and keep complacency under control.
- Recognize and eliminate the causes of accidents/mishaps before they occur.
- Keep abreast of current safe practices and accepted methods.
- Meet employer obligations and regulatory requirements.
- Protect management and supervisory personnel from liability.
- **Bottom line:** Prevent mishaps that might cause injury to personnel, damage to equipment and property, or lost time.

## Who Should Attend Refresher?

- Government personnel and contract employees that must maintain current certification to work with or in the presence of ammunition, weapon systems, explosives, or explosive components.
- Supervisors who must meet responsibilities for a safe work environment by initiating and continuously monitoring an effective explosives safety program.
- Managers who influence explosives safety by implementing policy decisions and safety standards.
- Employees affected by proponent regulations of DOD, DOE, DOT, ATF, TSA, OSHA, NASA, and other agencies. Applicable regulations: AR 385-64, NAVSEA OP5, AF-M 91-201, AMC-R 350-4, ATEC-R 385-1, DOD 4145.26-M, OSHA CFR 29, DOT CFR 49, and others.

## Amtec Refresher Courses

### **Amtec Course # 098 (16 hours)**

- ◆ Characteristics and Hazards of Explosives
- ◆ Explosive Effects
- ◆ Classification Systems & Hazard Divisions
- ◆ Storage Principles & Storage Compatibility
- ◆ Fire and Chemical Hazard Symbols
- ◆ Fire Protection at Explosives Facilities
- ◆ Transporting & Handling Explosives
- ◆ Industrial Safety & Explosives
- ◆ Personal Protective Clothing & Equipment
- ◆ Material Handling Equipment (MHE)
- ◆ Explosive Operations Safety
- ◆ Static Electricity & Electrostatic Discharge

### **Amtec Course # 909 (8 hours)**

- ◆ Operations Safety at Explosives Work Sites
- ◆ Explosive Effects
- ◆ Personal Protective Clothing & Equipment
- ◆ Static Electricity & Electrostatic discharge
- ◆ Hazards of EMR to Ordnance (HERO Safety)
- ◆ Range Safety & Munitions Testing
- ◆ Procedures and Precautions at Test and Assembly Areas
- ◆ Practical Applications, Exercises and Mishap Case Studies

### **Amtec Course # 908 (8 hours)**

- ◆ Operations Safety at Explosives Work Sites
- ◆ Initiators & Selected Munitions
- ◆ Personal Protective Clothing & Equipment
- ◆ Static Electricity and Electrostatic Discharge
- ◆ Hazards of EMR to Ordnance (HERO Safety)
- ◆ Small Arms, Large Caliber, & Demolition Range Safety
- ◆ Procedures and Precautions at Test and Assembly Areas
- ◆ Practical Applications, Exercises, & Mishap Case Studies

### **Amtec Course # 906 (8 hours)**

- ◆ Basic Explosives Safety
- ◆ Hazard Identification & Mitigation
- ◆ Test Range Safety
- ◆ Hazards & Precautions in Impact Areas
- ◆ Hazard Analysis & Risk Assessment Familiarization
- ◆ Practical Applications, Exercises, & Mishap Case Studies

### **Amtec Course # 904 (8 hours)**

- ◆ Basic Explosives Safety
- ◆ Initiators, Detonators, and Igniters
- ◆ Static Electricity and Electrostatic Discharge
- ◆ Range Safety
- ◆ Firing Line Safety
- ◆ Practical Applications, Exercises, & Mishap Case Studies

### **Amtec Course # 903 (8 hours)**

- ◆ Explosive System Testing
- ◆ Procedures and Precautions at Test Sites
- ◆ Static Electricity & ESD
- ◆ RDT&E Range Safety
- ◆ System Assembly and Disassembly
- ◆ Practical Applications, Exercises, & Mishap Case Studies

### **Amtec Course # 902 (8 hours)**

- ◆ Explosives Laboratory Safety
- ◆ Explosives Loading/Assembly Room Safety
- ◆ Static Electricity and Electrostatic Discharge
- ◆ Storage & Disposal of Explosive Waste
- ◆ Practical Applications, Exercises, & Mishap Case Studies

### **Amtec Course # 901 (8 hours)**

- ◆ Review of Explosives Safety Principles
- ◆ Storage, Transport, & Handling
- ◆ People, Explosives, and Electrical Energy
- ◆ Safety Precautions at Explosives Facilities
- ◆ Exercises & Mishap Case Studies

### **Amtec Course # 912 (16 hours)**

- ◆ Identify the Hazards
- ◆ Characteristics of Explosives
- ◆ Basic Explosives Safety
- ◆ Static Electricity and Electrostatic Discharge
- ◆ Hazards of EMR to Ordnance (HERO) Safety
- ◆ Electric and Nonelectric Initiators
- ◆ Personal Protective Clothing and Equipment
- ◆ System Assembly and Disassembly
- ◆ Review of Specific Explosive Systems
- ◆ Explosive System Testing
- ◆ Firing Line Safety
- ◆ RDT&E Range Safety
- ◆ Precautions in Impact Areas
- ◆ Revised Explosives Hazard Division 1.2
- ◆ General Procedures for Ammunition & Explosives Accountability
- ◆ Procedures/Precautions at Ranges & Test Sites
- ◆ Successful Site Visits
- ◆ Mishap Case Studies and Exercises (Cause, Contributing Factors, and Precautionary Measures)



## **Amtec Advantages**

- **Practical training that is applicable to military ordnance, commercial devices, and RDT&E explosive operations.** This refresher training covers established safety requirements essential during typical explosive operations.
- **Tailored to fit each organization's training requirements and mission.** Upon request, training can be modified to meet specific training requirements.
- **Flexible schedules and training arrangements.** Classes can be conducted at or near an organization's own facility or at a location selected by Amtec Corp.
- **Meets regulatory requirements.** As stated in numerous safety manuals, refresher training will ensure compliance with current explosives safety standards.
- **Excellent training aids.** A bound workbook is used in conjunction with a computer-projected presentation, interesting videos, inert training aids, exercises, and mishap case studies.
- **Experienced instructors.** The Amtec instructor staff has an average of 36 years experience working with conventional, chemical, commercial, and special explosive systems. They have an extensive background in explosives operations including development, assembly, production, testing, storage, transporting, disposal, and safety training.
- **Cost effective.** Exceptional training at reasonable prices. Ask about group rates and discounts.
- **Earn continuing education credits.**

## **Contact Amtec**

- To coordinate training at or near your facility or at a location near you.
- To enroll in an already scheduled class.
- To receive information about training locations, class schedules, and prices.
- To request additional information about available refresher classes.
- To inform us of your unique training requirements.
- To select subjects from any of our brochures or on our web page so we can tailor a training program for you.
- To request an organization work-study to finalize training requirements.
- To learn more about refresher training regulations and the certification process.
- To discuss prices, group rates, and discounts.
- To receive a description of other Amtec courses that are also available:
  - Ammunition & Explosives Safety Certification Training
  - Hazard Analysis/Risk Assessment for Explosives Operations

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