

# HAZARD ANALYSIS & RISK ASSESSMENT FOR HAZARDOUS OPERATIONS



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## Why Hazard Analysis Training?

- Create and maintain a safe environment in which to work.
- Identify and eliminate or control hazards in a timely manner.
- **Prevent accidents** that might cause injury to personnel or damage to equipment and property.
- Instill a sense of safety consciousness.
- Meet employer obligations.
- Protect management and supervisory personnel from liability.
- Meet regulatory requirements.

## Who Should Receive This Training?

- Managers, supervisors, and other employees that are responsible for hazard analysis and risk management.
- Personnel who write, implement, use, or manage Standing Operating Procedures (SOP) that support hazardous operations, processes, procedures, or projects.
- Employees of companies that have or may be seeking government contracts that require a knowledge of hazard analysis and risk assessment.
- Individuals that work for government organizations and companies that are proactive in hazard elimination and control.
- Anyone who must meet hazard analysis training requirements found in regulations such as AMC-R 700-107, ATEC-R 385-1, NAVSEA OP5, AF-M 91-201, and CFR 29.

## Amtec Advantages

- **Training tailored to fit specific missions and training requirements.** Separate modifications of this course are available. Each is designed to address a different type of hazardous operation. You may choose from the following:
  - ◆ Rockets, Missiles and Components
  - ◆ Artillery, Mortars, and Small Devices
  - ◆ Propellants and Pyrotechnics
  - ◆ Chemicals & Chem Surety Material
  - ◆ Workplace Hazards (OSHA)
- **Practical exercises and accident case studies.** Attendees will conduct hazard analyses and risk assessments for several typical hazardous operations. Past accidents will be analyzed.
- **Excellent training aids.** Each person is provided a bound workbook that coincides with the computer projected presentation. Video tapes and hands-on training aids enhance the lecture and discussions.
- **Flexible class schedules.** Upon request, classes can be conducted at or near your facility, or you may elect to attend a class previously scheduled by Amtec.
- **Experienced instructors.** With an average of 32 years of experience, the Amtec staff has conducted many hazard analyses and risk assessments. The instructors have an appreciation for the responsibilities of technicians, supervisors, and managers.
- **Cost effective.** Exceptional training at reasonable prices.

## Call, Write, Fax, or E-mail

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## Amtec Course # 502 (2 Days)

*Hazard Analysis is a step-by-step assessment of an operation, procedure, or process for the purpose of identifying hazardous conditions, recommending control methods, and providing a way to define risk. This course will offer timely information to assist in the elimination or control of inherent and potential hazards. The following subjects are included in the program of instruction.*

- ◆ Regulatory Requirements
- ◆ Hazard Analysis Work Group (HAWG)
- ◆ Hazard Analysis Objectives
- ◆ Steps in the Hazard Analysis Process
- ◆ Identification and Assessment of Hazards
- ◆ Hazardous Materials and Components
- ◆ Hazards Caused by Environmental Effects
- ◆ Hazards Caused by Tools and Equipment
- ◆ The Human Factor
- ◆ Proper Approach to Hazard Analysis
- ◆ Hazard Probability and Hazard Severity
- ◆ Hazard Control Methods
- ◆ Hazard Analysis Formats
- ◆ Tailoring Hazard Analysis
- ◆ Preliminary Hazard Analysis (PHA)
- ◆ System Hazard Analysis (SHA)
- ◆ Subsystem Hazard Analysis (SSHA)
- ◆ Operating Hazard Analysis (OHA)
- ◆ Job Hazard Analysis (JHA)
- ◆ Qualitative and Quantitative Analysis
- ◆ Risk Assessment
- ◆ Risk Assessment Codes (RAC) and Matrix
- ◆ Implementing Corrective Actions
- ◆ Risk Management
- ◆ Practical Exercises
- ◆ Accident Case Studies

## Contact Amtec

- To arrange training at your facility or a nearby location.
- To receive information about other training locations and class schedules.
- To select a modified version of Amtec Course # 502 that will meet specific needs.
- To request an organization work study to develop a program of instruction for a tailored course.
- To learn more about regulatory requirements for hazard analysis and risk assessment training, as prescribed by DOD, OSHA, and other agencies.
- To discuss prices, group rates, and training dates.
- To receive information about the following Amtec courses that are also available:

- Explosives Certification Training
- Explosives Safety Refresher Training
- Hazardous Materials Training (HAZMAT)
- Counter-Terrorism and Terrorist Threat Training