

# IMESAFR

Training offered by APT Research, Inc.

## Course Content

The IMESAFR Training Course will guide the user through the overall user interface of the IMESAFR Software. Some of the topics discussed are shown below.

- A background on the concepts and terminology used in the IMESAFR risk assessment software.
- A thorough guide on using input screens and choosing the proper input selection.
- A description of the capabilities of IMESAFR including menu options, functions of the tool bar, help menu and generating reports.
- An overview of the 26-step process used by IMESAFR to familiarize the user with the exposure and consequence analyses.
- Multiple examples (some worked individually and some as a group) demonstrating the various capabilities of IMESAFR.
- Practical applications of the software and its use in the risk management process.

## Course Outline

1. Overview
2. History of Quantitative Risk Assessment
3. Basic Concepts of Quantitative Risk Assessment
4. Legal Concepts and Criteria
5. IMESAFR Use for Risk Management
6. Protocols
7. Approval Process
8. IMESAFR Use
9. Input Decisions
10. Examples
11. IMESAFR Features
12. Traffic Route – Exercise
13. Architecture – Overview
14. Architecture - Science Algorithms
15. Architecture - Aggregation and Uncertainty
16. Group Exercise
17. Test

The course is presented over three days with eight hours of mixed lecture and discussion each day, for a total of 24 classroom hours. Daily class hours are from 8am to 5pm with an hour for lunch and breaks mid-morning and mid-afternoon. A competency test will be given at the end of the course.

Class Size: minimum of 10, maximum of 25.

## Where

The class is normally held at the APT Research, Safety Engineering and Analysis Center (SEAC) in Huntsville, AL, conveniently located in Cummings' Research Park near Redstone Arsenal. See [www.apr-research.com/contacts/contactUs.html](http://www.apr-research.com/contacts/contactUs.html) for detailed directions. The class may also be offered at other locations. On-site training courses can be arranged, as well as courses that run in conjunction with conferences and meetings.

## Schedule

See [www.apr-research.com/Capabilities/Training.html](http://www.apr-research.com/Capabilities/Training.html)

## Cost

\$2700 for IMESAFR & Training Voucher

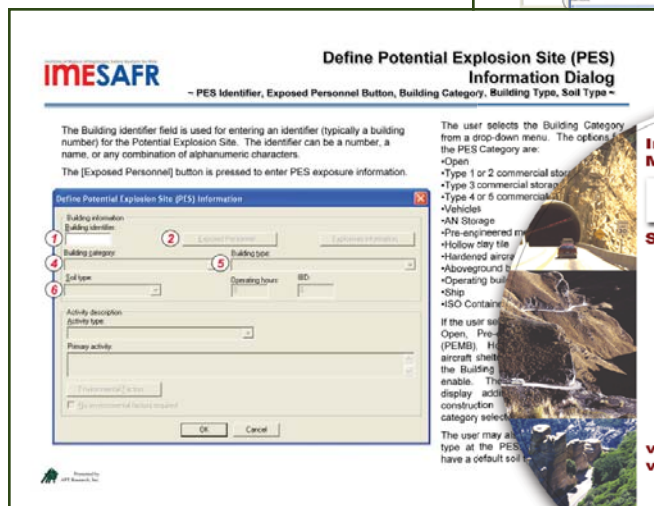
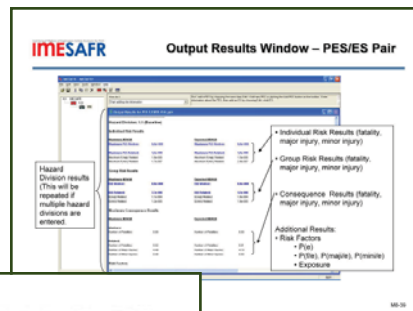
Each student will be responsible for bringing a laptop to training. A training book will be included in the course fee.

## CEU

Upon completion of this course, attendees will be credited with 2.0 Continuing Education Units (CEU).

## Registration Information

To register for a class in Huntsville, or if you are interested in setting up a training course at a location other than Huntsville, please contact Ashley Bedwell, 256.327.4016, [abedwell@apr-research.com](mailto:abedwell@apr-research.com)



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Makers of Explosives  
**IMESAFR**  
Safety Assessment for Risk  
Version 1.2

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