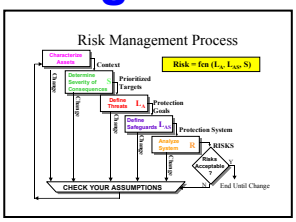
Risk Assessment Methodology for Chemical Facilities (RAM-CF™) Training Course

Fact Sheet



Description of the Tool

The Risk Assessment Methodology for Chemical Facilities, RAM-CF™, is a systematic, risk-based approach used to evaluate chemical or petrochemical facilities (or any facility which has hazardous chemicals present) with respect to potential malevolent actions (i.e. terrorists or criminals) that could cause an undesirable event such as airborne releases of hazardous chemicals which would compromise the integrity of the facility, cause serious injuries and/or fatalities among facility employees, contaminate adjoining areas, and cause injuries and/or fatalities among adjoining populations.

Who Should Attend?

The goal of the RAM-CF™ Training Course is to provide users with a tool to help screen a group of possible facilities having hazardous chemicals and prioritize these facilities for follow-on security vulnerability assessments (SVA). The identified facilities will then have a SVA performed using the RAM-CF™ approach. People who should attend this course include personnel responsible for the security of facilities having hazardous chemicals. Members of law enforcement, local/State organizations involved in oversight or homeland security, emergency response personnel, personnel who perform hazards assessments for the facility.

Course Objectives

The RAM-C™ course is intended to provide a background for personnel in using the RAM-CF™ process. After completing this course the participants will understand the core concepts and principles of the RAM-CF™ process and be better able to identify potential targets, characterize threats, evaluate physical protection system effectiveness, evaluate risks for selected targets and make recommendations for ways to mitigate risk. The RAM-CF™ workbook will be reviewed to include the process and the supporting worksheets. The workbook has also been automated and the course will review the automated tool.

Course Agenda

Typically the RAM-CF™ Training Course is a 3-4 days in length and employs lecture, class exercises and student presentations. The class is organized into small working groups which stay together for the course. A hypothetical sample chemical facility is provided for use in the course. If the course uses an actual chemical facility then the structure and duration of the course may change. A basic agenda for this course is outlined below.

DAY 1

Introduction to RAM-CF™, sample facility overview, screening, project definition, planning, facility characterization, in-class exercises and presentations

DAY 2

Security levels/consequences, threat assessment, prioritization of assets, conduct of a site survey, overview of physical protection system concepts, in-class exercises and presentations

DAY 3

Protection system effectiveness analysis, risk analysis, risk reduction, evaluation of impacts, content of final report, in-class exercises and presentations, course wrap-up and evaluations

Availability

The RAM-CF™ workbook is a controlled distribution Official Use Only document. Training on the RAM-CF™ workbook is provided through companies licensed by Sandia.