



Assessing Terrorism Related Risk Workshop

Vienna, Austria

11-14 November 2019



Background

On 11-14 November 2019, the S2 Institute will be presenting a four-day, 32-hour version of the S2 Assessing Terrorism Related Risk (ATRR) Workshop in Vienna, Austria.

The S2 Assessing Terrorism Related Risk (ATRR) Workshop is designed to instruct security and public safety personnel in the dynamics of terrorism related risk and effective methodology for evaluating terrorism related risk in support of security planning. The information presented in this course reflects best practices in security risk management as applied in both the government and commercial sectors of the security industry.

Who Should Attend?

Security Directors, Military Force Protection Planners, National Security and Intelligence Analysts, and Police Officers Assigned to Strategic Anti-Terrorism Activities

Learning Objectives

Students attending the S2 Assessing Terrorism Related Risk (ATRR) Workshop is will acquire the following skills and competencies:

- Understand risk management principles and the function of risk assessment in security planning.

- Recognize important characteristics of terrorism related risk and terrorist modus operandi necessary for conducting effective risk assessments.
- Conduct security assessments by utilizing qualitative risk assessment methodology.
- Evaluate the design of physical protection systems utilizing quantitative assessment models.
- Evaluate potential vulnerability of structures to blast loading from terrorist IEDs.
- Design prioritized security countermeasures strategies by utilizing cost-benefit analysis techniques.

Schedule & Outline

Monday, 11 November 2019 (Day One)

08:00 – 08:30	Class Registration
08:30 – 10:00	Principles of Security Risk Management
10:00 – 12:00	Characteristics of Terrorism Related Risk
12:00 – 13:00	Lunch
13:00 – 16:30	Assessing Terrorism Related Risk

Day One Outline:

- Principles of Risk Management
 - What is Risk?
 - Fundamental Risk Management Concepts
 - Risk Assessment Approaches
 - Risk Measurement Models
 - Risk Assessment Methodology
 - Basic Qualitative Risk Assessment Model
 - Example of Risk Management Principles in Application
- Characteristics of Terrorism Related Risk
 - Definitions
 - Current Trends
 - Ideological Motives
 - Strategic Objectives of Terrorist Groups
 - Types of Terrorist Targets
 - Terrorist Target Selection Criteria
 - EXERCISE: Could your organization be attractive as a terrorist target?
 - Categories of Terrorism Related Risk
 - Terrorist Planning and Execution Phases
 - Risk Dynamics and Terrorism
- Conducting the Risk Assessment
 - Guidelines for Assessing Terrorism Related Risk
 - Assessment Planning and Preparation
 - Team Composition
 - Step One: Identifying and Profiling Assets
 - Asset Identification Principles
 - Sources of Asset Information
 - Identification of Undesirable Events
 - Asset Identification Approaches
 - Manual Listing

- o Process Analysis
- o Consequence Analysis
- o EXERCISE: Asset Inventory

Tuesday, 12 November 2019 (Day Two)

08:30 – 12:00 Assessing Terrorism Related Risk (cont.)
 12:00 – 13:00 Lunch
 13:00 – 16:30 Assessing Terrorism Related Risk (cont.)

Day Two Outline:

- Asset Valuation
 - o Exercise: Develop Criteria for Rating Severity
- Conducting the Risk Assessment (cont.)
 - Step Two: Identifying and Profiling Threats
 - Categories of Threats
 - Identifying Potential Terrorist Adversaries
 - o EXERCISE: Self-Assessment
 - Adversary Assessment
 - o Sources of Adversary Information
 - o Determination of INTENT and CAPABILITY
 - o Structured Target Attractiveness Assessment
 - o Analysis of Critical Threat Modus Operandi
 - EXERCISE: Adversary Assessment
 - Identification of Potential Risks Based on Threat M.O.
 - Development of Design Basis Threats (DBTs)
 - Development of Threat Scenarios
 - o EXERCISE: Develop Threat Scenarios
 - Development of Threat Rating Criteria
 - o Alternative Expressions of Threat
 - o EXERCISE: Develop a Threat Estimation Criteria
 - Step Three: Identifying and Estimating Asset Vulnerability
 - Vulnerability Assessment Principles
 - Terrorism-Related Vulnerability Issues
 - o Protective Counterintelligence/OPSEC
 - o Access Control/Physical Security
 - o Damage Mitigation
 - o Emergency Planning and Preparation
 - Areas of Vulnerability
 - o Environmental Characteristics
 - o Facility Characteristics
 - o Personnel Behavior
 - o Location of Assets
 - o Operational and Personnel Practices
 - Vulnerability Assessment Approaches
 - o Assessment Approaches and Applications
 - o Security & Emergency Management Assessment Surveys
 - Types of Security Surveys
 - Survey Structure
 - Data Collection Process and Documentation

Wednesday, 13 November 2019 (Day Three)

08:30 – 12:00 Assessing Terrorism Related Risk (cont.)

12:00 – 13:00	Lunch
13:00 – 16:30	Assessing Terrorism Related Risk (cont.)

Day Three Outline:

- o Fault Tree Analysis
 - Quantitative and Qualitative Applications
- o Critical Success Factors (CSF) Analysis
 - EXERCISE: CSF Analysis Criteria
- o Quantitative Physical Protection System (PPS) Analysis
 - Physical Protection Systems (PPS) Functions
 - PPS Mathematics
 - Estimate of Adversary Sequence Interruption Model (EASI)
 - Factors Determining Probability of Interruption
 - Site Characterization
 - Adversary Paths
 - EXERCISE: ASD Diagram
 - EXERCISE: EASI Path Analysis
- o Blast Hazard Analysis
 - Blast Dynamics
 - Blast Effects and Structural Response
 - Overpressure-Range Effects Assessment
 - Building Damage and Injury Effects Estimation
 - EXERCISE: Blast Hazard Analysis
- o Practical Field Tests (a.k.a. “Red Team Exercises”)
 - Completing the Vulnerability Assessment
- o Vulnerability Rating Criteria
- o EXERCISE: Estimate Vulnerability

Thursday, 14 November 2019 (Day Four)

08:30 – 10:30	Assessing Terrorism Related Risk (cont.)
10:30 – 11:00	Common Problems in Risk Assessments
11:10 – 12:00	Risk Assessment Reports
12:00 – 13:00	Lunch
13:00 – 15:30	Application-Specific Security Risk Assessment Models
15:30 – 16:00	Graduation Presentation

- Step Four: Evaluating Risk
 - Establishing Level of Risk and Risk Acceptability
 - EXERCISE: Completing the Risk Assessment
- Step Five: Identify & Implement Countermeasures
 - Integrated Countermeasures Theory
 - Identifying Potential Countermeasures
 - Countermeasures Cost-Benefit Analysis
 - o Applied Cost-Benefit Analysis
 - o EXERCISE: Cost benefit Analysis
 - Conducting the Risk Assessment (cont.)
- Common Problems Made During Terrorism Related Risk Assessments
- The Security Risk Assessment Report
 - Risk Communications Considerations
 - Security Risk Assessment Reports
 - Sample Report Format
 - Examples
- Application-Specific Security Risk Assessment Models

- Risk Methodology Criteria
- FEMA 452 Risk Assessment Methodology
- CIA Analytic Risk Management Methodology
- CIS-Client Chemical Plant Vulnerability Assessment Methodology
- NIJ Chemical Plant Vulnerability Assessment Methodology
- API/NPRA Security Vulnerability Assessment Methodology
- NERC CIP-014 Risk Assessment Process
- CARVER / CARVER + Shock
- ISO 31000 Risk Management & Security Risk Assessment Methodology

What Will You Receive?

In addition to 32-hours of instruction, all students attending the S2 Assessing Terrorism Related Risk (ATRR) Workshop will receive the following:

- Certificate of Completion suitable for framing
- Course notebook including over 200 pages of slides and reference material
- Reference CD-ROM including tools and text references useful for conducting terrorism-related risk assessments
- ATRR Workbook

Enrollment in the S2 Assessing Terrorism Related Risk (ATRR) Workshop also includes catered lunches and coffee breaks.

About the Instructor



Craig S. Gundry, PSP, CPS, CHS-III

Craig Gundry is the S2 Institute's lead instructor for anti-terrorism subjects and the Vice President of Special Projects for Critical Intervention Services (CIS). Mr. Gundry is responsible for directing CIS consulting and training projects pertaining to terrorism and critical infrastructure security, including the development of doctrine and training for the CIS Anti-Terrorism Officer Division.

Prior to joining CIS, Mr. Gundry was the President of Palladium Media Group, a company specializing in training and consulting on explosive, chemical, and biological terrorism. Mr. Gundry's expertise in anti-terrorism began as a specialist in force protection and anti-terrorism with the United States Army.

Mr. Gundry is the author of the acclaimed Bomb Countermeasures for Security Professionals CD-ROM and a new book on assessing terrorism-related risk. Mr. Gundry is also a frequent consultant on issues relating to terrorism and weapons of mass destruction and has provided expert commentary for numerous media organizations including Al-Jazeera, BBC, CNN, and Fox News Network.

As an instructor, Mr. Gundry has been training security, police, and emergency responders in terrorism-related issues for over 17 years. His previous students have included security professionals, facility managers, military personnel, police officers, and federal officials from over 40 nations.

Enrollment

Standard Tuition: USD \$2,000 (*Group discounts available. Contact us for details.*)

S2 ATO Graduate Tuition: USD \$1,700 – Special discounted rate for previous graduates of the S2 Anti-Terrorism Officer (ATO) course. New students enrolling in both 2019 Vienna courses (ATO and ATRR) may enroll at the ATO graduate tuition rate. For information about the 2019 Vienna Anti-Terrorism Officer Course, visit:

http://www.s2institute.com/content/pages_advanced/courses/ato_vienna19.php

To enroll in the S2 Assessing Terrorism Related Risk (ATRR) Workshop, use our secure online registration and payment system:

http://www.s2institute.com/content/pages_advanced/courses/atrr_vienna19.php

Students may also enroll by completing the attached enrollment form and returning it by fax to: +01-727-535-6666.

Questions regarding enrollment may be submitted to the S2 Institute by email:

info@s2institute.com

Lodging & Travel Information

The S2 ATRR Workshop will be conducted on-site at the Fleming's Selection Hotel Wien-City:

Fleming's Selection Hotel Wien-City

Josefstädter Straße 10-12

A-1080 Wien

Austria

Tel. +43 1 205 99-0

<https://www.flemings-hotels.com/selection-hotel-wien-city>

Please note: Lodging is not included.