

Cyber Security Risk Assessment & Management

Toronto (Canada)

14 - 18 July 2025

UK Traininig

PARTNER



Cyber Security Risk Assessment & Management

Code: IT28 From: 14 - 18 July 2025 City: Toronto (Canada) Fees: 5700 Pound

Introduction

This Cyber Security Risk Assessment and Management course will teach you how to conduct a security risk assessment to protect your organisation. You will learn about the laws and regulations that impose strict cyber security requirements on all organisations, and gain the skills to develop a compliance assessment plan and employ a standards-based risk management process while maintaining a satisfactory security posture. Attendees should have a basic knowledge of business processes and technology concepts. No specialised technical knowledge is assumed

Course Objectives:

- Implement standards-based, proven methodologies for assessing and managing the risks to your organization's information infrastructure
- Select and implement security controls that ensure compliance with applicable laws, regulations, policies, and directives
- Extend security protection to Industrial Control Systems ICS and the cloud

Risk Assessment and Management Course Outline:

Day 1

Introduction to Risk Assessment and Management

- Ensuring compliance with applicable regulatory drivers
- Protecting the organisation from unacceptable losses
- Describing the Risk Management Framework RMF
- Applying NIST/ISO risk management processes

Characterising System Security Requirements

Defining the system

- Outlining the system security boundary
- Pinpointing system interconnections
- Incorporating the unique characteristics of Industrial Control Systems ICS and cloud-based systems

Identifying security risk components



- Estimating the impact of compromises on confidentiality, integrity and availability
- Adopting the appropriate model for categorising system risk

Setting the stage for successful risk management

- Documenting critical risk assessment and management decisions in the System Security Plan SSP
- Appointing qualified individuals to risk governance roles

Day 2

Selecting Appropriate Security Controls

Assigning a security control baseline

- Investigating security control families
- Determining the baseline from system security risk

Tailoring the baseline to fit the system

- Examining the structure of security controls, enhancements and parameters
- Binding control overlays to the selected baseline
- Gauging the need for enhanced assurance
- Distinguishing system-specific, compensating and non-applicable controls

Day 3

Reducing Risk Through Effective Control Implementation

Specifying the implementation approach

- Maximising security effectiveness by "building in" security
- Reducing residual risk in legacy systems via "bolt-on" security elements

Developing an assessment plan

- Prioritising depth of control assessment
- Optimising validation through sequencing and consolidation
- Verifying compliance through tests, interviews and examinations

Formulating an authorisation recommendation

- Evaluating overall system security risk
- Mitigating residual risks
- Publishing the Plan of Action and Milestones POA&M, the risk assessment and recommendation

Day 4

Authorising System Operation

Aligning authority and responsibility



- Quantifying organisational risk tolerance
- Elevating authorisation decisions in high-risk scenarios

Forming a risk-based decision

- Appraising system operational impact
- Weighing residual risk against operational utility
- Issuing Authority to Operate ATO

Day 5

Maintaining Continued Compliance

Justifying continuous reauthorisation

- Measuring impact of changes on system security posture
- Executing effective configuration management
- Performing periodic control reassessment

Preserving an acceptable security posture

- Delivering initial and routine follow-up security awareness training
- Collecting on-going security metrics
- Implementing vulnerability management, incident response and business continuity processes



Blackbird Training Cities

Europe



Copenhagen (Denmark)



Malaga (Spain)



Sarajevo (Bosnia and Herzegovina)



Glasgow (Scotland)



Edinburgh (UK)



Oslo (Norway)



Annecy (France)
(Montenegro)



Bordeaux (France)



Birmingham (UK)



Lyon (France)



Stockholm (Sweden)



Podgorica



Batumi (Georgia)



London (UK)



Istanbul (Turkey)



Amsterdam (Netherlands)



Düsseldorf (Germany)



Paris (France)



Barcelona (Spain)



Munich (Germany)



Geneva (Switzerland)



Prague (Czech)



Vienna (Austria)



Rome (Italy)



Brussels (Belgium)



Madrid (Spain)



Berlin (Germany)



Lisbon (Portugal)



Manchester (UK)



Milan (Italy)

USA & Canada



Los Angeles (USA)



Florida (USA)



Online



Boston (USA)



Washington (USA)



Miami (USA)



New York (USA)



Toronto (Canada)



Blackbird Training Cities

Asia



Baku (Azerbaijan)



Maldives (Maldives)



Manila (Philippines)



Bali (Indonesia)



Bangkok (Thailand)



Beijing (China)



Moscow (Russia)
(Malaysia)



Singapore (Singapore)



Sydney (Australia)



Tokyo (Japan)



Dubai (UAE)



Kuala Lumpur



Jakarta (Indonesia)

Africa



Kigali (Rwanda)



Cape Town (South Africa)



Accra (Ghana)



Lagos (Nigeria)



Marrakesh (Morocco)



Nairobi (Kenya)



Zanzibar (Tanzania)



Cairo (Egypt)



Sharm El-Sheikh (Egypt)



Casablanca (Morocco)



Tunis (Tunisia)



Blackbird Training Clients



UK Training
PARTNER



Blackbird Training Categories

Management & Admin

Professional Skills
Finance, Accounting, Budgeting
Media & Public Relations
Project Management
Human Resources
Audit & Quality Assurance
Marketing, Sales, Customer Service
Secretary & Admin
Supply Chain & Logistics
Management & Leadership
Agile and Refinement

Technical Courses

Hospital Management
Public Sector
Special Workshops
Oil & Gas Engineering
Telecom Engineering
IT & IT Engineering
Health & Safety
Law and Contract Management
Customs & Safety
Aviation
C-Suite Training



BLACKBIRD
FOR TRAINING

 International House 185 Tower Bridge
Road London SE1 2UF United Kingdom

 +44 7401 1773 35
+44 7480 775526

 Sales@blackbird-training.com

 www.blackbird-training.com

