CERTIFIED CYBER SECURITY PROFESSIONAL

Program Overview

This is a globally recognized certification in the information security market. This program validates an information security professional's deep technical and managerial knowledge and experience to effectively design, engineer, and manage the overall security posture of an organization.

Areas covered:

- Security and Risk Management
- Asset Security
- Security Architecture and Engineering
- Communication and Network Security
- Identity and Access Management (IAM)
- Security Assessment and Testing
- Security Operations
- Software Development Security

Target Audience:

- IT consultants
- Managers
- Security policy writers
- Privacy officers
- Information security officers
- Network administrators
- Security device administrators
- Security engineers.

Objective

- Analyze components of the Security and Risk Management domain.
- Analyze components of the Asset Security domain.
- Analyze components of the Security Architecture and Engineering domain.
- Analyze components of the Communications and Network Security domain.

Workshop Chronology

Day 1: 9am – 5pm
Day 2: 9am – 5pm
Day 3: 9am – 5pm
Day 4: 9am – 5pm
Day 5: 9am – 5pm

VALIDATE YOURSELF IN THE FIELD OF INFORMATION SECURITY

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SHIEH MANAGEMENT

PSMB STAR RATING

TOP 5-STAR
TRAINING PROVIDER

HRDF MALAYSIA

CERTIFIED CYBER SECURITY PROFESSIONAL

Workshop Outline

DAY 1

Module 1: Security and Risk Management
- Understand and apply concepts of confidentiality, integrity and availability
- Evaluate and apply security governance principles
- Determine compliance requirements
- Understand legal and regulatory issues that pertain to information security in a global context
- Understand, adhere to, and promote professional ethics
- Develop, document, and implement security policy, standards, procedures, and guidelines
- Identify, analyze, and prioritize Business Continuity (BC) requirements
- Contribute to and enforce personnel security policies and procedures
- Understand and apply risk management concepts
- Understand and apply threat modeling concepts and methodologies
- Apply risk-based management concepts to the supply chain
- Establish and maintain a security awareness, education, and training program

Module 2: Asset Security
- Identify and classify information and assets
- Determine and maintain information and asset ownership
- Ensure appropriate asset retention
- Determine data security controls
- Establish information and asset handling requirements

DAY 2

Module 3: Security Architecture and Engineering
- Implement and manage engineering processes using secure design principles
- Understand the fundamental concepts of security models
- Select controls based upon systems security requirements
- Understand security capabilities of information systems (e.g., memory protection, Trusted Platform Module (TPM), encryption/decryption)
- Assess and mitigate the vulnerabilities of security architectures, designs, and solution elements
- Assess and mitigate vulnerabilities in web-based systems
- Assess and mitigate vulnerabilities in mobile systems
- Assess and mitigate vulnerabilities in embedded devices
- Apply cryptography
- Apply security principles to site and facility design
- Implement site and facility security controls

Module 4: Communication & Network Security
- Implement secure design principles in network architectures
- Secure network components
- Implement secure communication channels according to design

Workshop Outline

DAY 3

Module 5: Identity and Access Management (IAM)
- Control physical and logical access to assets
- Manage identification and authentication of people, devices, and services
- Integrate identity as a third-party service
- Implement and manage authorization mechanisms
- Manage the identity and access provisioning lifecycle

Module 6: Security Assessment & Testing
- Design and validate assessment, test, and audit strategies
- Conduct security control testing
- Collect security process data (e.g., technical and administrative)
- Analyze test output and generate report
- Conduct or facilitate security audits

DAY 4

Module 7: Security Operations
- Understand and support investigations
- Understand requirements for investigation types
- Conduct logging and monitoring activities
- Securely provisioning resources
- Understand and apply foundational security operations concepts
- Apply resource protection techniques
- Conduct incident management
- Operate and maintain detective and preventative measures
- Implement and support patch and vulnerability management
- Understand and participate in change management processes

- Implement recovery strategies
- Implement Disaster Recovery (DR) processes
- Test Disaster Recovery Plans (DRP)
- Participate in Business Continuity (BC) planning and exercises
- Implement and manage physical security
- Address personnel safety and security concerns

DAY 5
Module 8: Software Development & Security
- Understand and integrate security in the Software Development Life Cycle (SDLC)
- Identify and apply security controls in development environments Integrate identity as a third-party service
- Assess the effectiveness of software security
- Assess security impact of acquired software
- Define and apply secure coding guidelines and standards

EXAM PRACTICE

EXAM

Training Accredited By:

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Trainer Profile

RAMASANKARA RAO

With over a decade of experience in the high technology environment, Rama is currently a Senior Technical Consultant. He is technically sophisticated in the IT industry for the past fifteen years, specializing in IT training and development, networking and security. He was involved in the network implementation of the State government of Kelantan and Network implementation for PETRONAS in Cambodia. Has delivered multiple Red Hat Linux, Cisco, CompTIA and Microsoft Technical track courses beforehand for both education and corporate sectors. Recognised in the industry as an expert, he has held various senior management positions in organizations in the areas of training and development. Rama is also a Cisco Proctor for Logical Operations, conducting the necessary evaluations to aspiring Cisco Certified Instructors who obtain the credentials as a Cisco Certified System Instructor(CCSI).

During his fifteen long years with the IT Industry, Rama has successfully trained professionals from many top IT industries that include E-Government National Centre (EGNC) Brunei, Shell Brunei, Ministry of Defence (MINDEF) Brunei, IT Protective Security Services Sdn Bhd (ITPSS), Autoriti Monetari Brunei Darussalam (AMBD), SMEs in Brunei, Bank EMaulamat Malaysia, Ministry of Defence (MINDEF) Malaysia, Bank Negara Malaysia, Singapore Telecoms, Maxis, Asia Life Insurance, IBM, EC-Council, Shell Malaysia, T-Systems, HP, EDS, Telbru (Brunei), Exon Mobil, Mesiniaga Sdn Bhd, etc. He has delivered training at Global Knowledge Singapore and Tokyo, Japan for Cisco's SCYBER, CCNA and CCNP modules. Microsoft trainings were delivered for New Horizons Malaysia and Guam.

The courses include Training track competencies includes the following Microsoft (MCSE,MCSA, MCP, MCDST), CompTIA (Network+, CompTIA Linux+, A+, Server+, Security+, Project+, Cloud Essentials) Cisco (CCNA Routing & Switching, Voice, Wireless, Data Centre. CCNP Routing & Switching, Voice CCDP), Red Hat Enterprise, Linux (Version 3, 4, 5, 6 and 7), EC-Council (Certified Ethical Hacking, Certified Forensic Investigation, Security 5, NetworkAdministration).

Trainer Profile

GAJENDRA BALASINGHAM

Gajendra Balasingham is a PRINCE2/ ITIL Expert trainer who has been a project lead and project manager for various regional projects in Multi-national and local companies. He is an accomplished ITIL/ Project Consultant and trainer who graduated in Bachelor Degree in Computer Science from Coventry University U.K.

Gajen has trained more than 140 staff of DELL Cyberjaya/ Penang in Malaysia with a pass rate of 99% in ITIL Foundation V3 course. Gajen has diverse Industry knowledge in Telco, Logistics, Banking, IT Support service, Sales and Service desk. In his working career for past 15 years he has been actively involved in turn key projects in the range from 5 Million USD to 50 Million USD.

His training expertise is on providing a strong foundation and understanding of the principles and processes of PRINCE2 project management framework and Agile techniques. He is adept at imparting Prince 2 principles and techniques to ensure students grasp the concepts to apply in their day to day work projects as well as get the required certifications at end of the course.

He is also instrumental in designing Project Management courses for different clientele such as students in Universities or working professionals such as Project Managers, Senior Sales Managers in Multi-national companies based on the burning need of practical application instead of text book concepts.

Trainer Profile

LESLIE LAWERENCE

Leslie Lawerence is a dedicated Service Delivery, Contact Centre and Project Management Lead with in depth skills, exposure and varied experiences in Information Technology, Banking and Outsourcing Industries. Involvements with these industry titans have consistently moulded him in being a catalyst especially in setting-up, training and managing multi-faceted turn-key projects right from its inception and successfully achieving stringent SLA's & record-high customer delights.

As a certified Training Consultant with Pembangunan Sumber Manusia (PSMB), Leslie is committed to both the organisations and trainees that he relentlessly works with. Some of his Clientele include HSBC, Citibank, Acer, ATOS, IBM, Tech Mahindra, DXC, The Malaysian Ministry of Defense, WorleyParsons, etc. Being an experienced Change Agent, he has successfully employed Lean Six Sigma Methodologies in diverse turn-key projects by performing a SWOT where processes were streamlined to eliminate waste & complexity, improving overall productivity resulting in boosting customer satisfaction and reducing operating cost. As an accomplished professional equipped with state of the art industry practices, ITIL concepts and governance, project management themes & principles and a wealth of Service Management experiences certainly adds value and becomes reassuring whilst carrying-out consulting and training.

He has been a part of the GKK consortium carrying out ITIL / ISO 20000 processes and implementations. Any organization undertaking a venture with him will certainly find his training techniques engaging, interactive and memorable.

Trainer Profile

RAVINDRAN CHELLIAH

Ravindran is a professional trainer and is well versed in the ITIL, Six Sigma and management areas of consulting and training.

Ravin has done many ITIL and ITSM process integrations that included full assessments, architecture, design, planning, implementation and roll out and oftentimes included developing Business Cases, ROI, TCO, Governance and Cost Benefit Analysis and best practice methodologies for ITSM holistically in the areas of people, process, technology and information across the organization and integration for those ITIL process areas. The last position being held as Bid Services Manager in DHL IT Services where Ravin managed and assured the execution of ITIL processes resulting in high quality production of IT project estimates, quotations and proposals in accordance with procedures, policies and agreed service targets. Reviewer and contributor to supplier management process of DHL Global center- Cyberjaya.

Companies trained includes: Maxis, Telekom Malaysia, Telbru Brunei, Ministry of Information Technology Vietnam, Dell, DHL, Ministry of International Trade and Industry Malaysia, Investment Development Authority (MIDA), Small and Medium Enterprise Corporation (SMIDEC), National Productivity Centre (NPC), Malaysia External Trade Development Corporation (MATRADE), Bursa Malaysia, Affin Bank, AmBank, Zurich Insurance, Reckitt Benckiser.