



**1** day  
assessment

# ITHC

Tiger Scheme and their approved Training Partners provide a range of one day courses aimed at improving security awareness in both the general user population and in terms of individuals with security-relevant roles. Many of these relate to security management within the organisation.

## ITHC Management

Gaining assurance in the configuration of technical security controls can be achieved in a number of ways. A common approach is to employ a team which is independent of the development and implementation teams, to test the network or system for known technical vulnerabilities, errors in configuration and/or cover other specific aspects such as password security, architectural soundness etc., in a penetration test or as it is frequently called, an IT Security Health Check.

However, gaining the anticipated benefits from an ITHC is dependent upon having a clear overview of those benefits, before the exercise commences. The Tiger Scheme ITHC Management course provides an essential background in the specification, justification and management of network technical vulnerability assessments. Candidates are taught the principles of vulnerability assessment, the key points to address when requesting external assessment services, and the issues to address within the organisation to maximise the potential for achieving the underlying objectives. This is a one-day course leading to a one-hour multiple choice examination. Successful candidates will be awarded Associate level membership of the Scheme.

## Pre-requisites

The course makes no assumptions regarding background knowledge on security or technical vulnerability assessments, but does assume a basic knowledge of networking principles, and the use of IT in general, and requires a basic level of experience with project planning and general project management.

## Areas Addressed

Session One provides an introduction to basic principles of security, as background to the issue of ITHC management, and addresses:

- Threat, Threat Agents, Internal and External Threats
- Security Models (CIA, DDP RR)
- Risk, Impact and Treatment (ISO 27000 Family)
- Vulnerabilities
- Penetration Test Methodology
- CVE and other Mark-Up Languages
- Network Protocols and Network Devices
- Types of Test
- Role of the Tester
- Common issues

**Course details continued on reverse >**



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## Course details continued:

Session Two moves onto the management of IT Health Checks, and addresses the following key issues:

- Preparing the Organisation
- Procurement:
  - Standards – ITHC Schemes
  - Setting Goals for the Procurement
  - Drafting an ITT, comparing proposals, competition and rotation
- Outsourcing issues
- Managing an ITHC:
  - Scoping, Scheduling and Planning
  - Specific Issues
  - Post ITHC activities

At the end of the course, attendees will have the knowledge to be able to specify, manage and interpret the results of, a typical network vulnerability assessment. Options and additional tasks for the ITHC team are also covered in the course.

Tiger Scheme is a not-for profit organisation working in co-operation with The University of South Wales (formerly the University of Glamorgan) to provide an independent, University recognised assessment of the technical, legal and ethical capabilities of penetration testers within the UK. Buyers of penetration testing are vocal of the shortage of certified skill in the UK, and the negative impact this has on project timescales and costs. Tiger Scheme bridges this gap between buyers and suppliers of assessment services. Whilst many UK based certification concentrate purely on commercial service providers, Tiger Scheme offers certification to both professional penetration testers and IT professionals working within internal IT teams. This allows organisations to have leading edge expertise within their own teams, offering greater flexibility and cost effectiveness.



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