



**1** day  
assessment

# AST

The Tiger Scheme AST (Associate Security Tester) qualification is the basic associate level qualification within the security assessment series, designed primarily for buyers of penetration testing and internal penetration testing teams. The qualification provides a fundamental grounding in penetration testing theory which leads the way onto the intermediate QSTM qualification in which both theoretical and practical capabilities are assessed separately.

This is a theory-only assessment, with no practical component. The assessment comprises a multiple-choice questionnaire of 80 questions, requiring a pass mark of 70%. The assessment can be taken in isolation, although it is recommended that it be preceded by training available from Tiger Scheme's authorised training partners.

## Objectives

It is intended that after attending this course delegates will have a good understanding of:

- Information security in the corporate world
- Professionalism and communication skills
- Ethics and the law
- Core network protocols
- Network enumeration and network mapping
- Network device management and exploitation
- Service enumeration
- Service topology/dependency mapping
- Service management and exploitation
- Application enumeration and profiling
- Application and operating system management
- Application and operating system exploitation and manipulation

## Key benefits

- Demonstrable theoretical knowledge of key security standards and issues
- Recognition of professional/ethical behaviour in the area of vulnerability testing
- Key communications skills and project management skills for vulnerability testing

## Requirements

Candidates should possess knowledge of:

- IP, TCP, UDP and ICMP protocols, including IP-based routing and the TCP state chart
- Key network services including DNS
- How a TCP/IP network can be profiled and have its topology mapped
- How to configure and manage a network device
- How to subvert a network and bypass network based security mechanisms
- The role and function of service in a networked environment
- The techniques associated with service enumeration
- How critical service dependences within a network enabled environment can be enumerated and validated
- How services should be managed and can be manipulated and exploited
- How applications and operating systems should be configured and managed
- The ways in which applications and operating systems can be subverted



For more information visit [www.TigerScheme.org](http://www.TigerScheme.org)

**Providing excellence in penetration testing**

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