



Accredited Africa Training Institute for Capacity Development

Unit FO409, Hatfield Plaza · 1122 Burnett St, Hatfield 0028 · Pretoria, Gauteng · South Africa

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COURSE BROCHURE

Vulnerability Assessment And Risk Profile Identification Training

Law, Military Science and Security / Safety in Society

Unit Standard 117432 · NQF Level 7 · 15 Credits · 12 Days

COURSE OVERVIEW

This course equips participants with the skills to identify, assess, and document vulnerabilities in information systems and to profile associated risks. It provides a structured approach to conducting vulnerability assessments and compiling risk profiles that support organisational security strategies.

Category	Law, Military Science and Security
Subfield	Safety in Society
Unit Standard	117432
Accreditation	SAQA Accredited · NQF Level 7 · 15 Credits
Duration	12 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply systematic methodologies to identify vulnerabilities in information systems.
- Analyze the potential impact of identified vulnerabilities on organisational assets.
- Evaluate risk levels based on vulnerability severity and likelihood of exploitation.
- Design comprehensive risk profiles that prioritise remediation actions.
- Implement documentation procedures for vulnerability assessment findings.
- Demonstrate the ability to communicate risk assessment results to stakeholders.

WHO SHOULD ATTEND

- This course is designed for IT security professionals, network administrators, and systems analysts who are responsible for identifying and mitigating security vulnerabilities within their organisation.

COURSE OUTLINE

Day 1: Introduction to Vulnerability Assessment and Risk Management

- Overview of information security landscape
- Key concepts: assets, threats, vulnerabilities, risks
- Regulatory frameworks: POPIA, Cybercrimes Act, ISO 27001
- The vulnerability assessment lifecycle
- Introduction to risk management standards (ISO 31000, NIST)

Day 2: Risk Profile Identification Fundamentals

- Risk assessment methodologies: qualitative vs quantitative
- Risk identification techniques: brainstorming, checklists, SWOT
- Risk analysis: impact, likelihood, and risk level calculation
- Risk prioritisation using risk matrices
- Case study: risk profile identification for a SME

Day 3: Asset Inventory and Classification

- Asset identification and inventory management
- Asset classification schemes (confidentiality, integrity, availability)
- Determining asset criticality and business impact
- Assigning asset ownership and custodianship
- Practical exercise: building an asset inventory

Day 4: Vulnerability Scanning Tools and Techniques

- Introduction to vulnerability scanners (Nessus, OpenVAS, Qualys)
- Active vs passive scanning methodologies
- Network scanning: port scanning, service discovery
- Web application scanning basics
- Hands-on lab: running a vulnerability scan
- Interpreting scan reports and validating findings

Day 5: Vulnerability Analysis and Validation

- Vulnerability analysis: CVSS scoring and severity ratings
- Common vulnerabilities and exposures (CVE) database
- Validating vulnerabilities through manual testing
- Exploitability assessment: using exploit databases (Exploit-DB)
- Creating a vulnerability report template

Day 6: Risk Assessment and Treatment Planning

- Risk assessment process: from vulnerability to risk
- Risk treatment strategies: mitigation, acceptance, transference, avoidance
- Selecting and implementing security controls (ISO 27001 Annex A)
- Cost-benefit analysis for risk mitigation
- Practical session: creating a risk treatment plan

Day 7: Reporting and Communication of Findings

- Report structure: executive summary, technical details, recommendations
- Writing for different audiences: management vs technical teams
- Visualising data: risk heat maps, charts

- Communicating risk: presentation skills
- Practical: drafting a vulnerability assessment report

Day 8: Remediation and Vulnerability Management

- Vulnerability management lifecycle: identification, assessment, remediation, verification
- Remediation planning: prioritisation based on risk
- Patch management processes and tools
- Configuration management and hardening
- Verification of remediation: re-scanning and testing

Day 9: Advanced Vulnerability Assessment Techniques

- OWASP Top 10 vulnerabilities and testing guide
- Web application scanning and manual testing
- Wireless security assessment (WPA2, WPA3)
- Cloud security assessment (AWS, Azure, GCP)
- Introduction to penetration testing vs vulnerability assessment

Day 10: Integrating Risk Profile into Business Processes

- Business continuity planning and risk integration
- IT governance frameworks (COBIT, ITIL)
- Compliance auditing: internal and external
- Key risk indicators (KRIs) and monitoring
- Case study: integrating risk profile into a real organisation

Day 11: Practical Assessment and Scenario-Based Exercise

- Scenario-based exercise: organisation X assessment
- Asset inventory, scanning, analysis
- Risk assessment and treatment planning
- Report writing and presentation
- Peer and instructor feedback

Day 12: Review, Certification Preparation, and Wrap-Up

- Comprehensive review of all days
- Mock assessment and Q&A; session
- Assessment preparation tips
- Career progression: certifications (CEH, CISSP, etc.)
- Course evaluation and certificate distribution

ASSESSMENT & CERTIFICATION

Delegates are assessed through exercises and a final test. A mark of **50% or above** earns an **AATICD Certificate of Completion**, issued digitally with a unique verification code. This course carries **15 NQF credits** at **NQF Level 7**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 47,100.00	R 47,100.00
1	In-House	R 61,300.00	R 61,300.00
1	On-Campus (Pretoria)	R 70,700.00	R 70,700.00

UPCOMING SESSIONS

Start	End	Method	Venue
10 Aug 2026	25 Aug 2026	On-Campus	Abu Dhabi, UAE
11 Aug 2026	26 Aug 2026	On-Campus	Durban, South Africa
11 Aug 2026	26 Aug 2026	On-Campus	Mauritius
12 Aug 2026	27 Aug 2026	On-Campus	Cape Town, South Africa
13 Aug 2026	28 Aug 2026	On-Campus	Dubai, UAE
14 Aug 2026	31 Aug 2026	On-Campus	Pretoria, South Africa
17 Aug 2026	01 Sep 2026	On-Campus	Durban, South Africa
18 Aug 2026	02 Sep 2026	On-Campus	Shenzhen, China

Contact us if no suitable date is listed – on-demand sessions can be arranged for groups.

HOW TO GET A QUOTE OR APPLY

- 1. Get an instant quotation online:** visit www.aaticd.co.za, open the page for this course (Unit Standard 117432) and click **Get A Quote / Apply**. Select your training method and number of delegates – your quotation is generated immediately and emailed to you with the course brochure attached.
- 2. Apply by email:** send the course title, your preferred training method (Online, In-House or On-Campus Pretoria), the number of delegates and your preferred dates to apply@aaticd.co.za – our team will reply with a formal quotation.
- 3. Apply by phone or WhatsApp:** call +27 12 004 8389 or WhatsApp +27 65 077 6310 and we will prepare your quotation and reserve your seats.
- 4. Confirm your booking:** accept the quotation and settle the invoice. As soon as payment is confirmed your delegates are enrolled and receive their AATICD LMS login details by email, along with joining instructions for their chosen training method.

Group discounts apply automatically – the more delegates you enrol, the lower the price per delegate. No payment is required to request a quotation.

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