



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

Apply Configuration Management As A Subset Of The System Engineering Process Training

Business, Commerce and Management Studies / Procurement

Unit Standard 119854 · NQF Level 5 · 8 Credits · 5 Days

COURSE OVERVIEW

This course equips learners with the knowledge and skills to apply configuration management as an integral part of the system engineering process. Participants will learn to establish and maintain consistency of a product's performance, functional, and physical attributes with its requirements, design, and operational information throughout its life cycle.

Category	Business, Commerce and Management Studies
Subfield	Procurement
Unit Standard	119854
Accreditation	SAQA Accredited · NQF Level 5 · 8 Credits
Duration	5 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply configuration management principles within the system engineering process to ensure product integrity.
- Analyze configuration management requirements and develop a configuration management plan.
- Evaluate the impact of proposed changes using configuration control procedures.
- Implement configuration status accounting and auditing to verify product conformity.
- Demonstrate the ability to manage configuration identification, change control, and status accounting effectively.
- Analyze the relationship between configuration management and other system engineering disciplines.

WHO SHOULD ATTEND

- This course is designed for systems engineers, project managers, quality assurance professionals, and technical personnel involved in product development, maintenance, or support within engineering and manufacturing environments.

COURSE OUTLINE

Day 1: Introduction to Configuration Management and Systems Engineering

- Overview of systems engineering process
- Definition and scope of configuration management
- Key terms: configuration item, baseline, version control
- Relationship between CM and project management
- Benefits and challenges of CM implementation
- Introduction to CM standards (e.g., ISO 10007)

Day 2: Configuration Planning and Identification

- Elements of a configuration management plan
- Identification of configuration items (CIs)
- Baseline types: functional, allocated, product
- CI structuring and hierarchy
- Naming conventions and unique identifiers
- Practical exercise: creating a CM plan for a sample project

Day 3: Configuration Control and Change Management

- Configuration control process flow
- Change request initiation and evaluation
- Configuration Control Board (CCB) roles and functions
- Impact analysis and change prioritization
- Version control and revision history
- Case study: handling a design change in a system

Day 4: Configuration Status Accounting and Verification

- Status accounting: tracking CI status
- Configuration verification and audit types
- Functional and physical configuration audits
- Reporting and documentation best practices
- Tools for status accounting and tracking
- Practical exercise: conducting a mini-audit

Day 5: Integration, Tools, and Best Practices

- Integrating CM with systems engineering phases
- Overview of CM tools (e.g., PLM, version control systems)
- Best practices for CM implementation
- Lessons learned from real-world projects
- Continuous improvement and CM maturity models
- Final assessment and course wrap-up

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 **8 NQF credits** at **NQF Level 5**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 17,700.00	R 17,700.00
1	In-House	R 23,100.00	R 23,100.00
1	On-Campus (Pretoria)	R 26,700.00	R 26,700.00

UPCOMING SESSIONS

Start	End	Method	Venue
24 Aug 2026	28 Aug 2026	On-Campus	Victoria Falls, Zimbabwe
24 Aug 2026	28 Aug 2026	On-Campus	Bangkok, Thailand
24 Aug 2026	28 Aug 2026	On-Campus	Harare, Zimbabwe
24 Aug 2026	28 Aug 2026	On-Campus	Shenzhen, China
24 Aug 2026	28 Aug 2026	On-Campus	Durban, South Africa
24 Aug 2026	28 Aug 2026	On-Campus	Abu Dhabi, UAE
31 Aug 2026	04 Sep 2026	On-Campus	Shenzhen, China
31 Aug 2026	04 Sep 2026	On-Campus	Harare, Zimbabwe

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 119854) 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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