



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

Demonstrate Understanding Of The Components Of Aerial Warfare In Mission Control Training

Law, Military Science and Security / Sovereignty of the State

Unit Standard 120054 · NQF Level 5 · 8 Credits · 5 Days

COURSE OVERVIEW

This course equips learners with a comprehensive understanding of the components and principles of aerial warfare as applied in mission control training. It covers the strategic, operational, and tactical elements necessary for effective mission planning and execution. Learners will gain the ability to analyze aerial combat scenarios and apply mission control protocols.

Category	Law, Military Science and Security
Subfield	Sovereignty of the State
Unit Standard	120054
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 the principles of aerial warfare to mission control scenarios.
- Analyze the components of aerial warfare, including air power, command and control, and intelligence.
- Evaluate mission control procedures and their integration with aerial combat operations.
- Design effective mission control strategies for aerial engagements.
- Implement safety protocols and coordination measures in simulated aerial warfare environments.
- Demonstrate understanding of the roles of different aircraft and weapon systems in mission control.

WHO SHOULD ATTEND

- This course is designed for military personnel, defence force members, and civilian staff involved in mission control, air traffic management, or aviation operations.
- It is also suitable for security professionals seeking to understand aerial warfare dynamics.

COURSE OUTLINE

Day 1: Foundations of Aerial Warfare and Mission Control

- Introduction to aerial warfare: history, principles, and modern context
- Components of air power: fighters, bombers, reconnaissance, and support aircraft
- Mission control functions: planning, execution, and monitoring
- Command and control (C2) structures: levels of command and decision-making
- Airspace management: sectors, corridors, and deconfliction
- Situational awareness: sensors, data fusion, and display systems

Day 2: Operational Planning and Threat Assessment

- Mission planning cycle: objectives, resources, constraints, and contingencies
- Intelligence preparation of the battlefield (IPB): threat identification and assessment
- Air defence systems: surface-to-air missiles (SAMs), anti-aircraft artillery (AAA)
- Electronic warfare (EW): jamming, deception, and countermeasures
- Risk assessment and mitigation strategies
- Case study: planning a typical air interdiction mission

Day 3: Real-Time Control and Communication Protocols

- Communication protocols: brevity codes, radio discipline, and net control
- Dynamic mission management: re-tasking, divert, and abort procedures
- Data link systems: Link 16, situational awareness data sharing
- Sensor management: radar, electro-optical, and infrared systems
- Rules of engagement (ROE): escalation of force, self-defence, and collateral damage
- Weapon release authority: authentication, authorisation, and verification

Day 4: Advanced Tactical Integration and Decision Support

- Multi-platform coordination: fighters, tankers, airborne early warning (AEW), and ISR
- Time-sensitive targeting (TST): dynamic targeting cycle and collateral damage estimation
- Decision support systems: automated aids, threat evaluation, and weapon allocation
- Battle damage assessment (BDA): methods, reporting, and re-attack recommendations
- Mission debriefing: after-action review (AAR), lessons learned, and reporting
- Scenario-based training: simulated mission with multiple threats and changes

Day 5: Practical Application and Comprehensive Assessment

- Full mission simulation: planning brief, execution, and debrief
- Team roles and responsibilities: mission commander, air coordinator, intelligence, and logistics
- Crisis management: handling emergencies, system failures, and unexpected threats
- Performance evaluation: individual and team feedback
- Final assessment: written test and practical demonstration
- Course wrap-up: certification, resources, and continuous professional development

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 24,200.00	R 24,200.00
1	In-House	R 31,400.00	R 31,400.00
1	On-Campus (Pretoria)	R 36,200.00	R 36,200.00

UPCOMING SESSIONS

Start	End	Method	Venue
10 Aug 2026	14 Aug 2026	On-Campus	Durban, South Africa
10 Aug 2026	14 Aug 2026	On-Campus	Abu Dhabi, UAE
10 Aug 2026	14 Aug 2026	On-Campus	Pretoria, South Africa
10 Aug 2026	14 Aug 2026	On-Campus	Dubai, UAE
10 Aug 2026	14 Aug 2026	On-Campus	Cape Town, South Africa
10 Aug 2026	14 Aug 2026	On-Campus	Mauritius
17 Aug 2026	21 Aug 2026	On-Campus	Dubai, UAE
17 Aug 2026	21 Aug 2026	On-Campus	Pretoria, South Africa

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 120054) 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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