



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

Maritime and Airward Environment Fundamentals

Law, Military Science and Security / Sovereignty of the State

Unit Standard 244541 · NQF Level 5 · 10 Credits · 7 Days

COURSE OVERVIEW

This course provides learners with a foundational understanding of the maritime and airward environment, including key principles, operational contexts, and safety considerations. It equips participants with the knowledge to identify and respond to environmental factors affecting maritime and aviation operations, ensuring compliance with relevant regulations and best practices.

Category	Law, Military Science and Security
Subfield	Sovereignty of the State
Unit Standard	244541
Accreditation	SAQA Accredited · NQF Level 5 · 10 Credits
Duration	7 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Demonstrate an understanding of the fundamental concepts and terminology related to the maritime and airward environment.
- Apply knowledge of environmental factors, such as weather, tides, and airspace, to operational decision-making.
- Analyze the impact of human activities on the maritime and airward environment and vice versa.
- Evaluate safety protocols and regulations governing maritime and aviation operations.
- Implement basic risk assessment procedures in maritime and airward contexts.

WHO SHOULD ATTEND

- This course is designed for individuals entering or working in the maritime and aviation sectors, including deck officers, air traffic controllers, logistics personnel, and safety officers.
- It is also suitable for those seeking to broaden their understanding of these interconnected environments.

COURSE OUTLINE

Day 1: Introduction to Maritime and Airward Environments

- Overview of maritime and airward environments
- Key terminology and definitions
- Historical development of sea and air transport
- Major stakeholders: shipping lines, ports, airlines, airports
- Regulatory bodies: IMO, ICAO, SACAA, SAMSA
- Basic principles of international trade
- Role of maritime and air transport in supply chains

Day 2: Maritime Environment – Ships, Ports, and Operations

- Types of ships: container, bulk, tanker, Ro-Ro
- Port structure and facilities
- Cargo handling: cranes, forklifts, conveyors
- Shipping documentation: bill of lading, manifest
- Incoterms and their application
- Port safety and security protocols
- Environmental considerations in ports

Day 3: Airward Environment – Aircraft, Airports, and Operations

- Aircraft types: narrow-body, wide-body, freighter
- Airport infrastructure: runways, terminals, cargo facilities
- Air cargo handling: ULDs, pallets, containers
- Air waybill and documentation
- Dangerous goods regulations (IATA DGR)
- Airport security measures
- Environmental impact of aviation

Day 4: Regulatory Frameworks and Compliance

- International conventions: SOLAS, MARPOL, Chicago Convention
- National authorities: SACAA, SAMSA
- Safety Management Systems (SMS)
- Security regulations: ISPS Code, AVSEC
- Environmental regulations: emission controls, ballast water
- Compliance audits and inspections
- Documentation and record-keeping

Day 5: Cargo Handling and Logistics Integration

- Cargo types: general, bulk, hazardous, perishable
- Special handling: reefer, dangerous goods, oversized
- Intermodal transport: sea-air, road-rail-sea
- Warehousing and distribution centers
- Inventory management basics
- Cargo security and risk management
- Supply chain integration strategies

Day 6: Communication and Documentation in Maritime and Airward Environments

- Communication protocols: VHF, AIS, ACARS
- Standard documentation: cargo manifest, packing list
- Electronic Data Interchange (EDI) in logistics
- Communication with stakeholders: agents, authorities
- Error prevention in documentation
- Case studies on communication failures
- Practical exercises in completing forms

Day 7: Practical Integration and Assessment

- Review of key concepts
- Case studies: maritime and air incidents
- Scenario-based problem solving
- Documentation practical
- Summative assessment
- Feedback and course evaluation
- Certification guidance

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 **10 NQF credits** at **NQF Level 5**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 29,600.00	R 29,600.00
1	In-House	R 38,500.00	R 38,500.00
1	On-Campus (Pretoria)	R 44,400.00	R 44,400.00

UPCOMING SESSIONS

Start	End	Method	Venue
10 Aug 2026	18 Aug 2026	On-Campus	Abu Dhabi, UAE
11 Aug 2026	19 Aug 2026	On-Campus	Durban, South Africa
11 Aug 2026	19 Aug 2026	On-Campus	Mauritius
12 Aug 2026	20 Aug 2026	On-Campus	Cape Town, South Africa
13 Aug 2026	21 Aug 2026	On-Campus	Dubai, UAE
14 Aug 2026	24 Aug 2026	On-Campus	Pretoria, South Africa
17 Aug 2026	25 Aug 2026	On-Campus	Durban, South Africa
18 Aug 2026	26 Aug 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 244541) 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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