



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

Manage Hf Uhf And Data Communication Specific To Aeroplanes Training

Law, Military Science and Security / Sovereignty of the State

Unit Standard 120060 · NQF Level 6 · 4 Credits · 1 Day

COURSE OVERVIEW

This course equips learners with the skills to manage high frequency (HF), ultra high frequency (UHF), and data communication systems specific to aircraft operations. It covers the principles, configuration, troubleshooting, and regulatory compliance of airborne communication systems, ensuring safe and efficient aeronautical communications.

Category	Law, Military Science and Security
Subfield	Sovereignty of the State
Unit Standard	120060
Accreditation	SAQA Accredited · NQF Level 6 · 4 Credits
Duration	1 day
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Demonstrate an understanding of HF, UHF, and data communication principles and their application in aircraft.
- Apply procedures to configure and test HF and UHF transceivers and data link systems.
- Analyze communication system faults using diagnostic tools and techniques.
- Evaluate compliance with ICAO, SACAA, and other regulatory standards for aeronautical communications.
- Implement safety protocols and interference mitigation strategies for airborne communication systems.
- Design a communication system setup for a specific aircraft type, including antenna placement and frequency management.

WHO SHOULD ATTEND

- This course is designed for aviation communication technicians, aircraft maintenance engineers, and radio operators who are responsible for installing, maintaining, and managing HF, UHF, and data communication equipment on aircraft.

COURSE OUTLINE

Day 1: Fundamentals of HF, VHF, and Data Communication in Aeroplanes

- Overview of aviation communication: HF, VHF, and data links.
- Frequency bands, propagation, and antenna systems.
- Aircraft communication equipment: transceivers, control panels, and audio integrating systems.
- Introduction to ACARS and data communication systems.
- Regulatory framework: ICAO, SACAA, and licensing requirements.
- Standard radio telephony procedures and phraseology.
- Practical exercise: Setting up and operating VHF/HF radios in a simulated environment.

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 **4 NQF credits** at **NQF Level 6**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 14,100.00	R 14,100.00
1	In-House	R 18,300.00	R 18,300.00
1	On-Campus (Pretoria)	R 21,100.00	R 21,100.00

UPCOMING SESSIONS

Start	End	Method	Venue
10 Aug 2026	10 Aug 2026	On-Campus	Cape Town, South Africa
11 Aug 2026	11 Aug 2026	On-Campus	Dubai, UAE
12 Aug 2026	12 Aug 2026	On-Campus	Pretoria, South Africa
13 Aug 2026	13 Aug 2026	On-Campus	Abu Dhabi, UAE
14 Aug 2026	14 Aug 2026	On-Campus	Durban, South Africa
14 Aug 2026	14 Aug 2026	On-Campus	Mauritius
17 Aug 2026	17 Aug 2026	On-Campus	Harare, Zimbabwe
17 Aug 2026	17 Aug 2026	On-Campus	Dubai, UAE

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 120060) 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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