



Accredited Africa Training Institute for Capacity Development

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

Tel: +27 12 004 8389 · Mobile: +27 65 077 6310

Email: apply@aaticd.co.za · Website: www.aaticd.co.za

COURSE BROCHURE

Commercial Fishing Net Construction From Net Plans Training

Services / Transport, Operations and Logistics

Unit Standard 113996 · NQF Level 4 · 12 Credits · 9 Days

COURSE OVERVIEW

This course equips learners with the skills to construct commercial fishing nets from net plans, ensuring compliance with industry standards and safety regulations. Participants will gain practical knowledge in net design interpretation, material selection, and assembly techniques to produce durable and effective fishing gear.

Category	Services
Subfield	Transport, Operations and Logistics
Unit Standard	113996
Accreditation	SAQA Accredited · NQF Level 4 · 12 Credits
Duration	9 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Interpret net plans and specifications to determine construction requirements.
- Select appropriate netting materials, twine, and rigging components based on plan specifications.
- Apply knotting, splicing, and seaming techniques to assemble net panels accurately.
- Demonstrate correct use of net-making tools and equipment in a safe manner.
- Evaluate completed net construction against plan dimensions and quality standards.
- Implement safety procedures to prevent accidents during net construction and handling.

WHO SHOULD ATTEND

- This course is designed for fishing industry workers, net makers, and technicians who are responsible for constructing or repairing commercial fishing nets.
- It is also suitable for supervisors seeking to enhance quality control in net production.

COURSE OUTLINE

Day 1: Introduction to Net Plans and Terminology

- Overview of commercial fishing net construction.
- Reading and interpreting net plans: scale, dimensions, and annotations.
- Key terminology: mesh size, twine diameter, hanging ratio, selvedge.
- Types of nets: gill nets, trawl nets, seine nets, and lift nets.

Day 2: Materials and Tools for Net Construction

- Netting materials: types, strengths, and durability.
- Twine selection: diameter, breaking strength, and knot efficiency.
- Tools of the trade: netting needles, mesh gauges, and cutting tools.
- Estimating material requirements from net plans.

Day 3: Basic Netting Techniques – Knots and Mesh Forming

- Knots for netting: sheet bend, double sheet bend, clove hitch.
- Hand netting technique: using needle and gauge.
- Creating uniform mesh: maintaining tension and spacing.
- Basic repair techniques for torn netting.

Day 4: Net Shaping and Panel Construction

- Cutting netting: straight cuts, tapers, and shaping.
- Joining panels: lacing, seaming, and knotless methods.
- Tapers and cuts: reducing or increasing mesh count.
- Practical exercise: constructing a rectangular panel.

Day 5: Hanging and Rigging Nets

- Hanging ratio: calculation and application.
- Attaching netting to ropes: hanging twine and spacing.
- Rigging components: floats, weights, rings, and bridles.
- Achieving correct net spread and shape.

Day 6: Specialized Net Types – Trawl Nets

- Trawl net design: parts and terminology.
- Cutting and assembling trawl net panels.
- Trawl door attachment and rigging.
- Adjustments for bottom vs. midwater trawling.

Day 7: Specialized Net Types – Gill Nets and Seine Nets

- Gill net construction: mesh size, hanging ratio, and material.
- Purse seine net: design, ring attachment, and brailing.
- Float and weight placement for different net types.
- Troubleshooting: common construction errors.

Day 8: Net Inspection, Maintenance, and Repair

- Inspection techniques: visual and tactile checks.
- Repair methods: patching, re-meshing, and reinforcement.
- Protective coatings and storage practices.
- Record keeping for net maintenance.

Day 9: Quality Assurance and Final Assessment

- Quality assurance criteria: dimensions, strength, symmetry.
- Final practical: construct a net from a provided plan.
- Regulatory requirements and certification.
- Course review and feedback.

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 **12 NQF credits** at **NQF Level 4**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 33,300.00	R 33,300.00
1	In-House	R 43,300.00	R 43,300.00
1	On-Campus (Pretoria)	R 50,000.00	R 50,000.00

UPCOMING SESSIONS

Start	End	Method	Venue
07 Aug 2026	19 Aug 2026	On-Campus	Dubai, UAE
10 Aug 2026	20 Aug 2026	On-Campus	Abu Dhabi, UAE
11 Aug 2026	21 Aug 2026	On-Campus	Durban, South Africa
11 Aug 2026	21 Aug 2026	On-Campus	Mauritius
12 Aug 2026	24 Aug 2026	On-Campus	Cape Town, South Africa
13 Aug 2026	25 Aug 2026	On-Campus	Dubai, UAE
14 Aug 2026	26 Aug 2026	On-Campus	Pretoria, South Africa
17 Aug 2026	27 Aug 2026	On-Campus	Durban, 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 113996) 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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