



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

Road/Rail Tanker Operations

Custom Courses / Liquefied Petroleum Gas

Unit Standard AATICD-0364 · NQF Level 5 · 10 Credits · 5 Days

COURSE OVERVIEW

This course equips learners with the knowledge and practical skills required to safely and efficiently operate road and rail tankers for the transportation of hazardous and non-hazardous liquids. It covers legislative requirements, loading and offloading procedures, emergency response, and best practices in tanker operations, ensuring compliance with South African regulations and industry standards.

Category	Custom Courses
Subfield	Liquefied Petroleum Gas
Unit Standard	AATICD-0364
Accreditation	SAQA Accredited · NQF Level 5 · 10 Credits
Duration	5 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply relevant South African legislation and industry standards to road and rail tanker operations.
- Demonstrate safe loading, offloading, and handling procedures for various types of liquid cargo.
- Analyze potential risks and hazards associated with tanker operations and implement appropriate control measures.
- Evaluate emergency response procedures and coordinate effective actions during incidents or spills.
- Implement routine inspection and maintenance checks to ensure tanker integrity and operational readiness.
- Demonstrate effective communication and teamwork in the context of tanker operations.

WHO SHOULD ATTEND

- This course is designed for drivers, operators, and supervisors involved in the road and rail transport of liquid cargo, as well as logistics and safety personnel seeking to enhance their operational competence.

COURSE OUTLINE

Day 1: Introduction to Road/Rail Tanker Operations

- Overview of the petroleum and chemical industry in South Africa.
- Legislation and regulations: SANS, OHS Act, and relevant SABS standards.
- Types of tankers: road tankers (rigid, articulated) and rail tankers (tank wagons).
- Tanker design and construction materials.
- Hazardous materials classification and labeling.
- Safety data sheets (SDS) and their importance.
- Roles of driver, operator, and support staff.
- Introduction to risk assessment and emergency response.

Day 2: Tanker Design, Inspection, and Pre-Operational Checks

- Detailed anatomy of tankers: compartments, valves, vents, and fittings.
- Inspection procedures: visual, pressure, and leak tests.
- Pre-trip checks for road tankers (e.g., brakes, lights, couplings).
- Rail tanker specific checks: bogies, couplers, and braking systems.
- Maintenance schedules and record keeping.
- Safe loading and unloading procedures: top and bottom loading.
- Vapour recovery systems and their operation.
- Understanding of product compatibility and contamination prevention.

Day 3: Safe Driving and Handling of Tankers

- Principles of defensive driving for tankers.
- Effects of liquid load movement and baffles.
- Braking systems and stopping distances.
- Cornering, overtaking, and reversing techniques.
- Route planning: bridge heights, weight limits, and road conditions.
- Adverse weather driving: rain, fog, and wind.
- Emergency procedures: breakdowns, spills, and accidents.
- Use of technology: telematics and GPS.

Day 4: Hazardous Materials Management and Emergency Response

- Hazardous materials regulations (SANS 10228, ADR/RID).
- Classification, labeling, and placarding of tankers.
- Compatibility and segregation of products.
- Spill containment and clean-up procedures.
- Fire safety and firefighting techniques for chemical fires.
- Emergency response plans and communication protocols.
- First aid and medical emergencies.
- Use of PPE: respirators, gloves, suits, and eye protection.

Day 5: Operational Integration and Regulatory Compliance

- Standard operating procedures (SOPs) for tanker operations.
- Risk assessment methodologies and practical application.
- Documentation: trip reports, delivery notes, and incident reports.
- Environmental protection: waste management and spill prevention.
- Audits and compliance checks.

- Customer service and communication skills.
- Review of case studies and lessons learned.
- 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 **10 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
05 Oct 2026	09 Oct 2026	On-Campus	Kigali, Rwanda
05 Oct 2026	09 Oct 2026	On-Campus	Bangkok, Thailand
05 Oct 2026	09 Oct 2026	On-Campus	Lusaka, Zambia
05 Oct 2026	09 Oct 2026	Online	—
05 Oct 2026	09 Oct 2026	On-Campus	Windhoek, Namibia
05 Oct 2026	09 Oct 2026	On-Campus	Nairobi, Kenya
05 Oct 2026	09 Oct 2026	On-Campus	Mbabane, Eswatini
12 Oct 2026	16 Oct 2026	On-Campus	London, UK

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 AATICD-0364) 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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