



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

LPG Risk Assessment

Custom Courses / Liquefied Petroleum Gas

Unit Standard AATICD-0353 · NQF Level 5 · 10 Credits · 5 Days

COURSE OVERVIEW

This course equips learners with the knowledge and skills to identify, assess, and mitigate risks associated with the storage, handling, and use of Liquefied Petroleum Gas (LPG). It covers legal requirements, risk assessment methodologies, and emergency response procedures to ensure a safe working environment.

Category	Custom Courses
Subfield	Liquefied Petroleum Gas
Unit Standard	AATICD-0353
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 legislation and standards to LPG risk assessments.
- Analyze LPG hazards and evaluate associated risks in various scenarios.
- Design and implement effective control measures to mitigate LPG risks.
- Demonstrate the ability to conduct a comprehensive LPG risk assessment.
- Evaluate emergency response plans and procedures for LPG incidents.
- Implement monitoring and review processes for ongoing LPG safety.

WHO SHOULD ATTEND

- This course is designed for health and safety officers, risk assessors, operational managers, and any personnel responsible for LPG installations or workplaces where LPG is used or stored.

COURSE OUTLINE

Day 1: Introduction to LPG and Legal Framework

- Overview of LPG: composition, properties, and uses.
- Hazardous characteristics: flammability, explosivity, and health effects.
- South African legal framework: OHS Act, SABS standards, and SANS codes.
- Introduction to risk assessment principles and terminology.
- Case studies of LPG incidents and lessons learned.

Day 2: Hazard Identification and Risk Analysis Techniques

- Hazard identification methods: checklists, what-if, HAZOP.
- Risk assessment matrices and risk scoring.
- Consequence analysis: thermal radiation, overpressure, and toxic effects.
- Likelihood estimation: historical data and fault tree analysis.
- Introduction to quantitative risk assessment (QRA) software.

Day 3: Risk Assessment in LPG Operations

- Storage facilities: bulk tanks, cylinders, and pressure vessels.
- Handling and transfer operations: hoses, pumps, and loading arms.
- Transportation risks: road and rail transport of LPG.
- Dispensing and filling operations: safety protocols and emergency procedures.
- Personal protective equipment and safety systems.

Day 4: Emergency Planning and Risk Communication

- Emergency response planning: procedures, resources, and drills.
- Incident command systems and coordination with emergency services.
- Risk communication: internal and external communication strategies.
- Community awareness and public information programs.
- Monitoring, audit, and review of risk controls.

Day 5: Practical Integration and Assessment

- Group exercise: comprehensive risk assessment of an LPG facility.
- Presentation of risk assessment findings.
- Review of course key concepts and integration.
- Written assessment and feedback.
- Course evaluation and closing.

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-0353) 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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