



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

Vehicle Fitness Evaluation For Roadworthiness Assessment Training

Law, Military Science and Security / Safety in Society

Unit Standard 116151 · NQF Level 4 · 20 Credits · 17 Days

COURSE OVERVIEW

This course equips learners with the competence to conduct vehicle fitness evaluations for roadworthiness assessment in accordance with South African regulatory standards. It covers systematic inspection procedures, defect identification, and reporting to ensure vehicles meet legal safety requirements. Successful learners will be able to contribute to reducing road accidents through proper vehicle maintenance and compliance.

Category	Law, Military Science and Security
Subfield	Safety in Society
Unit Standard	116151
Accreditation	SAQA Accredited · NQF Level 4 · 20 Credits
Duration	17 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply relevant legislation and standards governing vehicle fitness and roadworthiness in South Africa.
- Demonstrate systematic inspection procedures for key vehicle systems including brakes, steering, suspension, lighting, and tyres.
- Analyze inspection findings to identify defects and non-compliance with roadworthiness criteria.
- Evaluate the severity of defects and determine whether a vehicle is fit for road use.
- Document and report inspection results accurately using standardised forms and procedures.
- Implement corrective actions and communicate recommendations to vehicle owners or operators.

WHO SHOULD ATTEND

- This course is designed for vehicle inspectors, fleet managers, traffic officers, and automotive technicians responsible for assessing vehicle roadworthiness.
- It is also suitable for individuals seeking to enter the vehicle safety inspection field.

COURSE OUTLINE

Day 1: Introduction to Vehicle Fitness and Roadworthiness

- Overview of the National Road Traffic Act and regulations.
- Definitions: roadworthy, unroadworthy, and vehicle fitness.
- The role of the assessor in the roadworthiness system.
- Consequences of non-compliance: accidents, fines, and legal liability.
- Introduction to vehicle categories and their specific requirements.

Day 2: Vehicle Identification and Documentation

- Locating and interpreting VIN, chassis number, and engine number.
- Checking registration documents: validity, ownership, and endorsements.
- Identifying tampering or mismatch of identification numbers.
- Documentation requirements for imported or rebuilt vehicles.
- Record-keeping procedures and forms.

Day 3: Lighting and Electrical Systems Inspection

- Headlamp alignment and brightness requirements.
- Functionality of turn signals, hazard lights, and stop lamps.
- Inspection of wiring harness, fuses, and connections.
- Battery terminals, electrolyte levels, and secure mounting.
- Reflectors: colour, placement, and condition.
- Electrical load and alternator output checks.

Day 4: Brake System Assessment

- Visual inspection of brake pads, shoes, and rotors.
- Brake lines and hoses: cracks, bulges, and leaks.
- Brake fluid: type, level, and contamination.
- Master cylinder and brake booster function.
- Brake test: pedal reserve, fade, and imbalance.
- Parking brake: ratchet mechanism and holding ability.

Day 5: Steering and Suspension Systems

- Steering box, rack, and tie rod ends: free play and leaks.
- Ball joints and control arm bushings: wear and tear.
- Shock absorbers: leaks, mounting, and damping.
- Coil springs and leaf springs: cracks and sagging.
- Wheel alignment: camber, caster, and toe.
- Tyre wear patterns indicating suspension issues.

Day 6: Tyres and Wheels Inspection

- Tread depth measurement using gauges.
- Tyre age: DOT code interpretation.
- Sidewall damage: impact breaks, cuts, and bulges.
- Tyre pressure and valve condition.
- Wheel rim: runout, cracks, and balance weights.
- Wheel nuts: torque, thread condition, and missing nuts.

Day 7: Body, Chassis, and Underbody Inspection

- Body corrosion: structural vs cosmetic.
- Chassis straightness and weld integrity.
- Exhaust system: leaks, hangers, and catalytic converter.
- Fuel tank: mounting, leaks, and filler cap.
- Brake and fuel lines: routing and condition.
- Door hinges, latches, and window regulators.

Day 8: Engine and Drivetrain Inspection

- Engine oil level, condition, and leaks.
- Coolant level, hoses, and radiator condition.
- Drive belts: tension, cracks, and wear.
- Clutch: pedal free play, slipping, and noise.
- Gearbox: oil level, leaks, and gear engagement.
- Driveshaft and CV joints: boots and play.
- Differential: oil leaks and bearing noise.

Day 9: Safety Equipment and Interior Checks

- Seatbelt: condition, retractor, and buckle function.
- Seat mounting: bolts, rails, and recliners.
- Airbag: warning light, sensors, and deployment readiness.
- Rear-view mirrors: condition and adjustment.
- Windscreen: chips, cracks, and optical distortion.
- Wiper blades: wear, streaking, and washer function.

Day 10: Emissions and Environmental Compliance

- Emission limits: CO, HC, NOx, and particulate matter.
- Gas analyser operation: calibration and measurement.
- Diesel smoke test: opacity limits.
- Exhaust system integrity: leaks and catalytic converter.
- Noise levels: exhaust and engine noise limits.
- Environmental regulations: fines for non-compliance.

Day 11: Specialised Vehicle Inspections (Trucks, Buses, Trailers)

- Air brake system: compressor, reservoirs, and chambers.
- Brake adjustment: slack adjusters and stroke.
- Fifth wheel: lubrication, locking, and wear.
- Kingpin and coupling: condition and security.
- Load securing: tie-downs, nets, and chains.
- Overhang and axle weight limits.
- Tachograph: seals, calibration, and data.

Day 12: Inspection Equipment and Tools

- Tread depth gauge: use and accuracy.
- Brake tester: roller brake tester operation.
- Headlamp aimer: setup and adjustment.
- Vehicle lift: safety locks and load capacity.
- OBD-II scanner: reading and clearing codes.
- Equipment calibration schedules and records.

Day 13: Reporting and Documentation

- Inspection report forms: sections and codes.
- Photographic evidence: angles and clarity.
- Certificate of roadworthiness: conditions and validity.
- Failure notice: defect description and severity.
- Record retention: legal requirements.
- Data protection and confidentiality.

Day 14: Legal and Ethical Responsibilities

- Legal liability: civil and criminal.
- Code of conduct for assessors.
- Conflict of interest: avoiding bias.
- Complaint handling: procedure and resolution.
- Fraud detection: false documents and tampering.
- Whistleblowing: channels and protection.

Day 15: Practical Inspection Workshop - Light Vehicles

- Practical inspection: from exterior to interior.
- Using checklists: step-by-step.
- Defect identification: critical vs minor.
- Equipment use: lift, gauges, and scanner.
- Time management: efficient workflow.
- Documentation: report completion.

Day 16: Practical Inspection Workshop - Heavy Vehicles

- Heavy vehicle inspection: chassis, brakes, and coupling.
- Air brake system: leakage test and adjustment.
- Fifth wheel and kingpin inspection.
- Load restraint: tie-downs and weight distribution.
- Height, width, and length measurements.
- Report writing for heavy vehicles.

Day 17: Assessment, Review, and Certification

- Final practical assessment: timed inspection.
- Assessor evaluation and feedback.
- Review of critical defects and borderline cases.
- Certification requirements and issuance.
- Continued learning: updates and refresher training.
- 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 **20 NQF credits** at **NQF Level 4**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 53,800.00	R 53,800.00
1	In-House	R 69,900.00	R 69,900.00
1	On-Campus (Pretoria)	R 80,700.00	R 80,700.00

UPCOMING SESSIONS

Start	End	Method	Venue
10 Aug 2026	01 Sep 2026	On-Campus	Pretoria, South Africa
11 Aug 2026	02 Sep 2026	On-Campus	Abu Dhabi, UAE
12 Aug 2026	03 Sep 2026	On-Campus	Durban, South Africa
12 Aug 2026	03 Sep 2026	On-Campus	Mauritius
13 Aug 2026	04 Sep 2026	On-Campus	Cape Town, South Africa
14 Aug 2026	07 Sep 2026	On-Campus	Dubai, UAE
17 Aug 2026	08 Sep 2026	On-Campus	Abu Dhabi, UAE
18 Aug 2026	09 Sep 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 116151) 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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