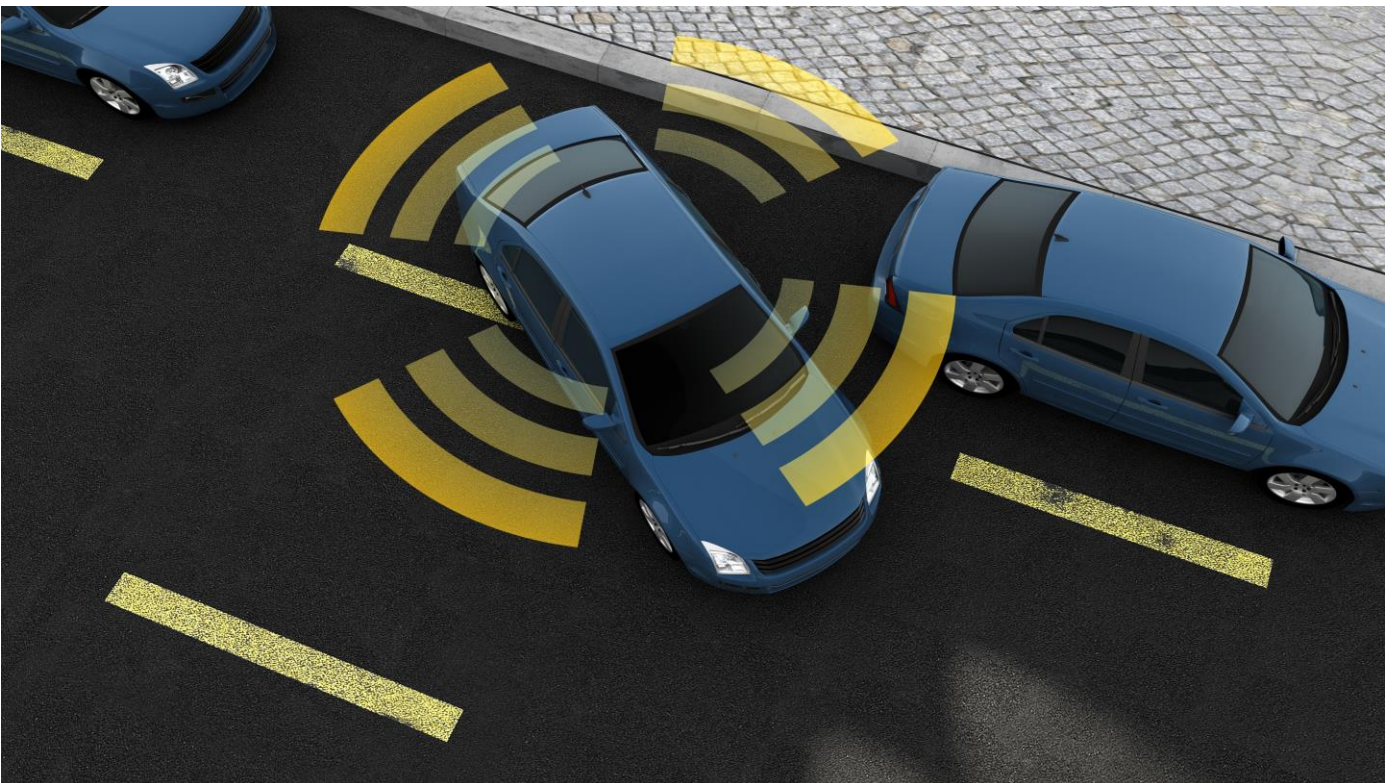


IMI ACCREDITATION

ADVANCED DRIVER ASSISTANCE SYSTEMS (ADAS)





What is IMI Accreditation?

IMI Accreditation is a practical, non-academic way to demonstrate individual capability, providing independent proof of current competence, knowledge and skills.

Focused on the Light Vehicle area of the automotive sector, IMI Accreditation encompasses everyone within this area, from individuals working directly on vehicles to those advising customers or managing a dealership. Three different types of accreditation reflect the diverse range of roles within the motor industry: Technical, Customer-facing, and Management.

Accreditation typically takes just one day to achieve (depending on the specific route), with individuals assessed against industry-agreed standards. Each accreditation route is designed using best practice techniques, and offers multiple career development options for a specific job role.

Accreditation is available for the following routes:

- Technical
- Customer-facing
- Management

Once an individual has passed all the required practical and knowledge-based modules in a specific route, they will receive a certificate of achievement which is valid for three years.



IMI Accreditation benefits

IMI Accreditation was created to help the motor industry keep on top of constant, rapid changes in technology, legislation and working methods, by encouraging and measuring the current competence, knowledge and ability of those working within it. By providing proof of current competence, IMI Accreditation benefits both individuals and their employers.

Those gaining accreditation receive:

- An IMI Accredited certificate
- Inclusion on IMI Professional Register
- Industry-wide recognition of their skills and abilities
- Advice and guidance for development
- An opportunity for career progression

While the employer of an accredited individual benefits from:

- Confidence in the individual's ability
- Eligibility for British Standard/DVSA requirements (depending on routes)
- Increased customer visibility on the IMI Professional Register
- Higher work output and fewer mistakes
- Public confidence in abilities

Industry Recognition through the IMI Professional Register

The IMI Professional Register is an industry-wide database of professionals in the motor industry. The Register is promoted to consumers as a place to find trustworthy professionals who have proven their skills and competence within specialist areas of the industry. IMI Accredited individuals are automatically included on the IMI Professional Register.

Routes to Accreditation

There are two routes to gaining IMI Accredited status: Full Assessment, and Conversion. Full Assessment involves the completion of all practical and knowledge-based assessments at each level. Conversion enables an individual to use existing qualifications to gain exemption from specific modules.

IMI Accreditation continually evolves to meet the changing needs of the industry, with each accreditation valid for three years, after which time an individual is required to undertake a new assessment either at the same level, next career level or a different route in order to prove their current competence.

IMI Accreditations are delivered through the IMI approved centre network, and you can find your nearest centre or explore assessment routes at www.theimi.org.uk/awarding.



Who is the ADAS route for?

The ADAS standalone module is intended for technicians whose job role includes the repair of vehicles typically involved in accident repair, light vehicle maintenance and light vehicle inspections.

This is a standalone module for:

- **Technicians and Senior Technicians**

Technicians should be working in the automotive industry and must have relevant diagnostic experience to ensure that they are familiar with the skills, knowledge and techniques required to calibrate ADAS systems.

ADAS

Standalone Module

Advanced Driver Assistance Systems
(ADAS) - Calibration

AOM 230

Total: 1 hour 30 minutes



Accreditation Module Title	Advanced Driver Assistance Systems (ADAS) - Calibration
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Module Code	AOM - 230
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Practical Assessment Time	1 hour 30 mins
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On-line Knowledge Test	K-230
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IMI AOM Level	2
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Module Overview	
<p>This module is designed to ensure that the candidate has the ability to calibrate Advanced Driver Assistance Systems (ADAS).</p> <p>The candidate will be required to identify and correctly interpret information relating to a specific vehicle and its ADAS features to determine which method of calibration is required.</p> <p>The candidate will be required to identify/locate and follow software-specific recalibration methods during the assessment process. They will also be required to use the correct tools and equipment in order to demonstrate their ability to calibrate two ADAS sensors on a vehicle with a minimum of two operating systems.</p> <p>The candidate will ensure that by the end of the assessment the vehicle system(s) are operating as required and all advanced safety features are correctly configured to set parameters or customer requirements.</p>	

Candidate Profile	
<p>The technician should be working in the automotive industry and must have relevant diagnostic experience to ensure that they are familiar with the skills, knowledge and techniques required to calibrate ADAS systems.</p>	

Links with Accreditation Routes and Modules	
This module features in:	
IMI Accreditation Route	IMI Accreditation Level
Light Vehicle Maintenance and Repair	Technician
Light Vehicle Inspection	Senior Technician
Accident Repair Routes	



Knowledge Requirements	
The candidate must know and understand:	
1.1	Safe working practices and Health and Safety guidelines
1.2	Technical information sources
1.3	Types of ADAS diagnostic equipment
1.4	Relevant tools and equipment used when carrying out ADAS component calibration
1.5	The calibration environment set by the manufacturer's instructions i.e. targets, lighting, and radar boards
1.6	Types of ADAS sensors and their function i.e. Optical, Radar, Lidar, and Ultra-sonic
1.7	Features of ADAS system operation i.e. steering, braking, lane departure warning, driver assistance and parking
1.8	Workplace procedures for completing and storing documentation relating to ADAS calibration
1.9	Customer interaction (which systems can/can't be calibrated)
1.10	The ADAS Code of Practice
1.11	Static, dynamic and hybrid system calibration
1.12	Wheel alignment principles
1.13	The purpose of fault codes and why they are generated



Skills Requirements	
The candidate must demonstrate the ability to:	
2.1	Protect the vehicle prior to removing any components to prevent damage to the vehicle during the assessment
2.2	Remove and replace MET components adhering to safe working practices and manufacturer's procedures
2.3	Identify ADAS features in vehicle set-up
2.4	Ensure the calibration environment set by the manufacturer's instructions i.e. targets, lighting, and radar boards
2.5	Ensure all equipment is fit for purpose prior to commencing work
2.6	Select and use diagnostic equipment for fault code reading and calibration process
2.7	Carry out calibration of two ADAS sensors on a vehicle that has a minimum of two operating systems i.e. Autonomous Emergency Braking (AEB) front/rear proximity sensors and lane departure warning
2.8	Ensure all information is captured and reported appropriately throughout the calibration activity and as required by the assessment process
2.9	Show awareness of the ADAS Code of Practice
2.10	Ensure all ADAS systems are switched on after calibration has been completed
2.11	Use Personal Protective Equipment (PPE)
2.12	Follow Health and Safety guidelines
2.13	Work within given time constraints