Autonomous Driver Licence

» IAA MOBILITY 2025

IT'S ALL ABOUT MOBILITY

1 Partners

German Association of the Automotive Industry

Messe München GmbH

DEKRA Automobil GmbH

Technical University of Munich
Institute of Automotive Technology

2 Summary

Interested industry and research partners can apply for the successful implementation of their automated driving functions (SAE Level 2 to 4) in the sense of a symbolic, PR-accompanied “AD driver's licence handover” and the opportunity for practical driving demonstrations* as part of the IAA MOBILITY 2025.

Those open road demonstration rides give you the possibility to demonstrate the capabilities of your autonomous driving stack in various driving scenarios from rushed inner-city traffic to high-speed highway driving.

DEKRA tests and validates the used automated driving functions in test sessions in advance of the IAA MOBILITY event to ensure safe and successful demonstration runs that are in line with regulatory requirements.

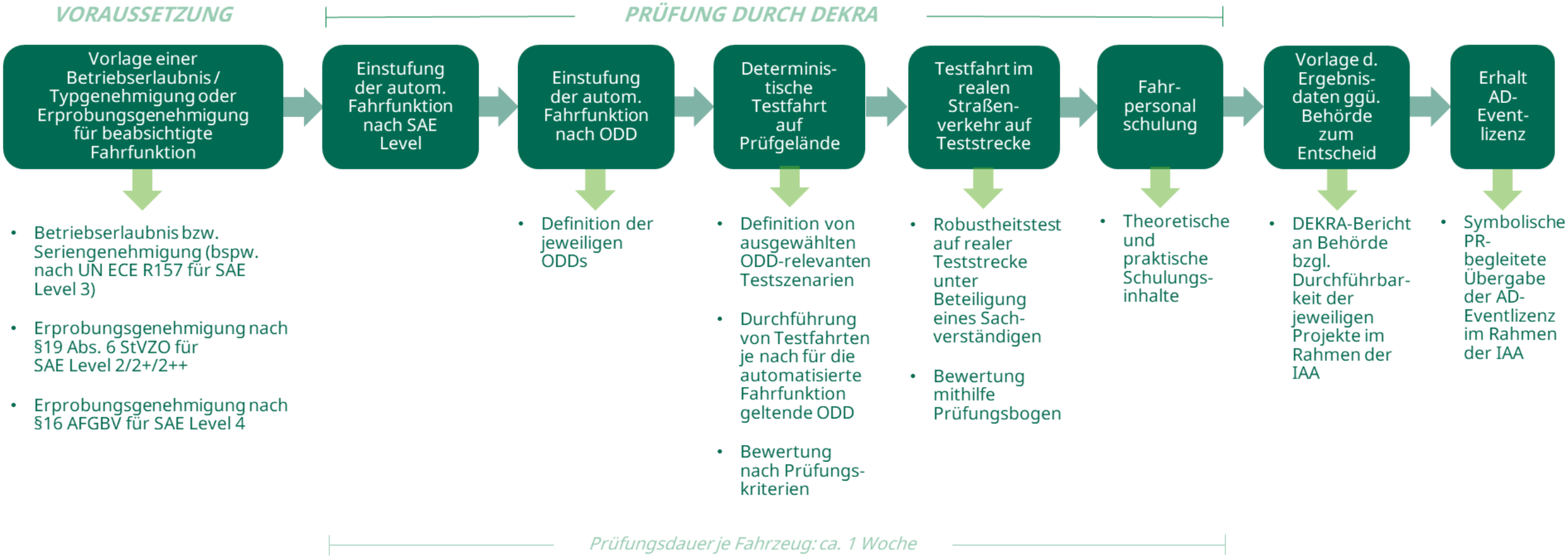
TUM Institute of Automotive Technology provides a comprehensive data set of the route to minimize the entry barrier.

*The vehicle must be registered for road traffic and have the necessary approvals to drive on the road with a safety driver.

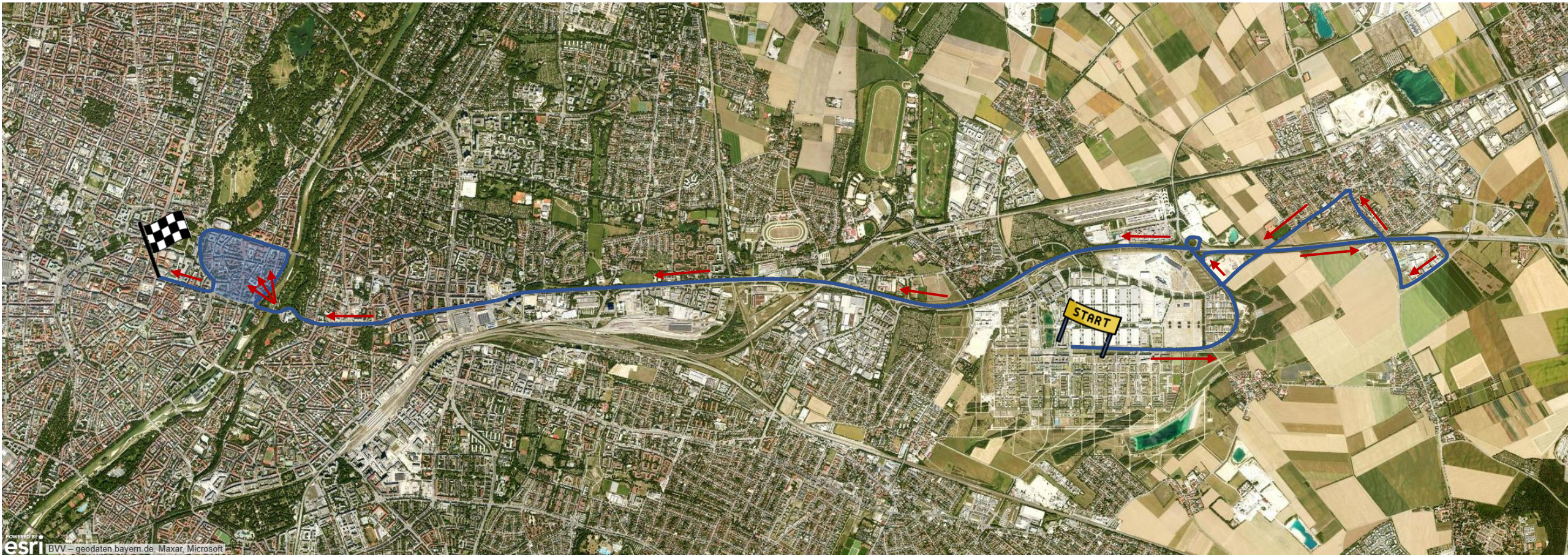
3 Timings

Activity	Dates
Application Deadline	June 30
Test sessions by DEKRA	From July till beginning of August (W27 – W32)
Press event to handover AD-Event Licence	September 8
Press rides	September 8
Public demonstration rides	September 9 to 14

4 Autonomous Driver Licence - Testing procedure



4 Autonomous Driver Licence - Route



Route of demonstration rides includes i.a. the following road sections: urban section (free routing possible), highway section, interurban corridors, motorway accesses, roundabouts, (traffic signal) intersections

5 Data Provision

On three days in February, the EDGAR research vehicle provided by TUM [1] will record extensive data of the route to be traveled. All data is PTP synchronized and recorded using ROS 2. Both the sensor data listed below and processed data will be made available free of charge under the CC BY 4.0 licence.

All EDGAR data is available in ROS 2 format. Additional formats are listed behind the sensors.

Sensor data as listed in [1]:

- LiDAR (Binary, PCD)
- RTK-GNSS (CSV)
- IMU (CSV)
- Vehicle-internal odometry data (CSV)

Processed data:

- High-resolution georeferenced point cloud map (Binary, PCD)
- Semantic lane-level vector map (lanelet2)

[1] P. Karle et al.: EDGAR: An Autonomous Driving Research Platform – From Feature Development to Real-World Application, arXiv 2024, https://doi.org/10.48550/arXiv.2309.15492

5 Data Provision

In addition to the recordings with the research vehicle, the Free State of Bavaria is making extensive geoinformation data available via the OPENDATA portal (https://geodaten.bayern.de/opengeodata) independently of the project. These are subject to the CC BY 4.0 and CC BY-ND 4.0 licences.

OPENDATA (not limited to):

- Building information (LoD2)
- High-resolution aerial imagery (GeoTIFF)
- Aerial Laser Scans (LAZ)

6 Costs

- No payments are made to the partners for participation in the Autonomous Driver Licence.
- DEKRA provides its testing services in advance of the IAA MOBILITY for receiving the Autonomous Driver Licence free of charge for participants.
- The ADAS&Telematics package from host partner IAA must be booked for participation in the Autonomous Show Rides at the IAA MOBILITY (details can be found in separate IAA documents).

7 Contact

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