

Accident report after accidents involving an automated vehicle on public roads

This document serves as a detailed description of the course of an accident and the facts following an accident involving an automated vehicle on public roads for which a test certificate was issued by the Federal Ministry for Innovation, Mobility and Infrastructure (BMIMI) in accordance with the provisions of the Automated Driving Ordinance (AutomatFahrV). This report is an addition to the accident report submitted to the police. The data collected in this report will in any case be made available to the BMIMI and, if necessary, to the Contact Point Automated Mobility (AustriaTech) as well as the members of the Technical-Legal Committee for Automated Mobility for analysis and evaluation of the facts.

**Author of the accident report**: Name, Contact details for enquiries
**Date**:
**Document status**:
**Version:**
**ID of the test certificate**: according to the details of the issued test certificate

* 1. General Accident Information
		1. Picture Documentation

Please send the picture documentation of the accident attached to the document.

* + 1. Detailed description of the course of the accident

(Please describe how the accident happened)

* + 1. Questions about the accident location, the course of the accident and other accident details

|  |  |
| --- | --- |
| **Details of the vehicle involved in the accident**Make, type, year of manufacture, licence plate number, vehicle class, vehicle identification number | (Please indicate) |
| **Accident type*** Personal injury
* Material damage to the own vehicle
* Material damage to objects other than vehicles
 | (Please indicate) |
| **Date and time of the accident** | (Please indicate) |
| **Accident site and section of the test route**Please state the address and the route section where the accident occurred regarding the submitted route analysis. | (Please indicate) |
| **Coordinates of the accident location (if available)** | (Please indicate) |
| **Characterisation*** Route section
* Crossing area
* Roundabout
* Deceleration lane
* Acceleration lane
* Railway crossing
* Other (please describe)
 | (Please indicate) |
| **Road type*** Motorway
* Expressway
* Provincial road with priority (Landesstraße B)
* Provincial road without priority (Landesstraße L)
* Other roads (incl. rural road and private road)
* Ramp (motorway / expressway)
 | (Please indicate) |
| **Directional lane*** No directional lane
* Ascending km
* Descending km
 | (Please indicate) |
| **Lane on which the accident happened** * Single lane
* 1st lane
* 2nd lane
* 3rd lane or further lane
* Special lane
	+ Bus lane
	+ Bicycle lane
	+ Pavement / Footpath
	+ Side verge / hard shoulder
	+ Service road
	+ Multi-purpose lane
	+ Bicycle path
	+ Footpath and bicycle path
	+ Parking lane
	+ Emergency lane

Other | (Please indicate) |
| **Speed limit** | (Please indicate) |
| **Special regulations (Multiple answers possible)*** None
* Traffic-calmed zone
* Pedestrian zone
* Pedestrian crossing (zebra crossing)
* Bicycle crossing
* One way
* Permitted cycling against one-way traffic
* Roadworks
* Residential road
* Other
 | (Please indicate) |
| **Other properties (Multiple answers possible)*** Straight road layout
* Rails in the driving surface
* Continuous centre separation
* Bridge
* Road top
* Road narrowing
* Exit or driveway
* Tram stop or bus stop
* Curve
* Hairpin bend
* Tunnel (up to 250 m length)
* Tunnel (from 250 m length)
* Gallery (semi-open tunnel)
* Resting place, car park
* Traffic island
* Other
 | (Please indicate) |
| **Regulation of the intersection*** Light-controlled traffic
* Intersection with traffic signs
* Intersection with priority to the right
* Manual control by road inspector
 | (Please indicate) |
| **Traffic light control*** Traffic lights in full operation
* Traffic lights on yellow – flashing
* Traffic lights out of service
* Unknown
 | (Please indicate) |
| **Road condition*** Dry road surface
* Wet road surface
* Sand or grit on the road
* Winter conditions (ice, snow/slush)
* Other condition (e.g. oil, soil)
 | (Please indicate) |
| **Lighting conditions (Multiple answers possible)*** Daylight
* Twilight
* Darkness
* Artificial lighting
 | (Please indicate) |
| **Precipitation & wind*** None
* Rain (Drizzle)
* Hail
* Sleet
* Snowfall
* Fog
* Strong wind
 | (Please indicate) |
| **Maximum severity of injury*** Uninjured
* Minor injury
* Serious injury
* Death
 | (Please indicate) |
| **Suspected main cause of accident** | (Please indicate) |

* + 1. Road users involved in the accident

Please provide details of the road users involved in the accident (passenger car, bus, cyclists, pedestrians), as far as known (vehicle, brand, type, licence plate number, etc.).

* + 1. Persons involved in the accident depending on the type of traffic involved

Please provide details of all persons involved for each type of transport specified above (age, gender, maximum severity of injury, drivers / passengers / pedestrians, etc.)

* + 1. Sketch of the accident at the time of collision

(Please sketch the accident and mark the original point of collision on the vehicle with an arrow)

* 1. Questions about the automated operation of the vehicle and technical details
		1. Test project

Were there any deviations from the submitted test application or submitted test project during the test operation (route, use case, test driver, etc.)? If yes, please provide detailed descriptions of these deviations.

* + 1. Driving mode at the time of the accident

Was the vehicle in manual or automated driving mode at the time of the accident? What verifiable documentation exists confirming that the vehicle was in automated mode at the time of the accident and in the last minutes/seconds leading up to it? Note: The decrypted data record of the accident data memory must be sent to the BMIMI in any case!

* + 1. Operational error

Have there been similar incidents in the past or did this problem occur for the first time?

* + 1. Details of the collision / accident

Was the system / software able to predict the collision / accident or interpret it as such? How did the system automatically respond? Did the system execute an evasive manoeuvre, emergency braking or no action at all? Please provide a clear and detailed description.

* + 1. Information of the test driver

Was the test driver informed by the system about the problem (e.g. an imminent collision)? If yes, when and in what form was the notification given? Was the test driver informed of any countermeasures taken by the system (e.g. evasive action, emergency braking)?

* + 1. Reaction and interaction of the test driver

Please describe the sequence and order of the test driver’s interactions. At what point in time and with what interaction did the test driver react for the first time?

* + 1. Details on the test driver’s driving and break times

Please provide a detailed list of the driving and break times on the day of the accident.

* 1. Technical / organisational questions regarding the planned resumption of operation
		1. Resumption of operation

Does the test manager plan to continue the test operations? If yes, what is the expected timeframe?

In case of a planned resumption – what specific measures to improve road safety or optimise the system will be implemented by the test management after the accident? How does the test management plan to prevent such an accident from occurring in the future?

How is the improvement implemented, and which assessment methods will be used to verify the adapted changes (simulation, test track, etc.)? Are any other structural/digital measures for the testing route or adaptations to the vehicle planned? Note: All adaptations and deviations from the original test application (both, vehicle-related and route-related) must be described in detail. An adaptation of the test certificate might be necessary.

* + 1. Test driver

Are any measures planned to raise awareness and improve training of the test drivers due to the accident? If yes, please describe them.

* + 1. Gathering experience for future projects

How can future test projects learn from the accident and benefit from the experience gathered?