

New edict automated driving for safe testing on Austria's roads –information note

Automated and connected driving have a high impact onto our society and offers chances for road safety, environment and for the business location Austria and associated jobs. Therefore automated driving is part of a long-term transport policy, which has the human in focus.

The edict of the Federal Minister of Transport, Innovation and Technology (bmvit) about the framework for automated driving creates the legal framework for the testing of vehicles, which are equipped with assistance systems or automated driving systems, in Austria.

Safety has the highest priority. The following information or requirements have to be available to get a certificate for testing granted:

Source	Information*/ Requirement°	Content	Description
§ 1 Abs. 3 Z 2 lit. a)	Info	Declaration about planned use case	Description of planned use case without disclosure of company secrets (maximum 1 page)
§ 1 Abs. 3 Z 2 lit. b)	Info	Name of the testing company	Full company name or full name of the organisation
§ 1 Abs. 3 Z 2 lit. c)	Info	Contact person and contact data	Declaration of responsible person for testing (first name, surname, telephone number, e-mail, address)
§ 1 Abs. 3 Z 2 lit. d)	Info	Allegation about the driver of the vehicles for test drives	Nomination of test drivers (copy of driver's licence, training certificate about the tested system, telephone number, e-mail)
§ 1 Abs. 3 Z 2 lit. e)	Info	Number plate of test vehicle	For approved vehicles: information about official number plate For unlisted vehicles: information about number plate for test purpose

§ 1 Abs. 3 Z 2 lit. f)	Info/ Requirement	Written confirmation about full insurance cover for the testing according to regulations of the law for liability insurance for motor vehicles 1994 (KHVG 1994, BGBl. Nr. 651/1994) from liability insurance for motor vehicle	Written confirmation or copy of the liability insurance. Needs to be carried along during testing.
§ 1 Abs. 3 Z 2 lit. g)	Info	Sum of total, real, virtual and experimental test kilometres of the test system	<p>Conclusive, transparent abstract of previous test reports and test descriptions (maximum 5 pages)</p> <p>Corresponding proof can include (depending on the individual case), <u>for example</u>:</p> <ul style="list-style-type: none"> • Test kilometres on test site • Test kilometres on public roads in foreign country • Test kilometres via simulation <p>Furthermore kilometres for different components/ applications can be declared together (for example: powertrain, chassis, artificial intelligence, sensors).</p> <p>Test kilometres exclusively via simulation are not permitted!</p>
§ 1 Abs. 3 Z 2 lit. h)	Info	Start and end of planned test period	Information about start date and end date of planned tests
§ 1 Abs. 3 Z 2 lit. i)	Info	planned test track	Information about test track (for example A2/B17 from km x until km y)
§ 1 Abs. 3 Z 2 lit. j)	Info	Demand for infrastructural requirements	Information about necessary adaption of the test track (for example: additional road signs, marks et cetera or 4G/5G coverage)
§ 1 Abs. 6	Requirement	Report of gained knowledge	<p>Report template will be offered by bmvit in Q1-2017.</p> <p>Report shall include, without disclosure of company secrets:</p> <ul style="list-style-type: none"> • Information about increase of road safety/sustainability and efficiency through the tested system • Abstract of gained test results (number of system errors or

			necessary interventions and causes)
§ 1 Abs. 6	Info	Critical situation, crashes and causes	Information about ,where‘ and ,when‘ of near miss (= critical situation) or crashes and material damage and personal damage. Causes need be stated clearly and transparent.
§ 1 Abs. 7	Requirement	Information road operators and governor	Information: § 1 Abs. 3 Z 2 lit. a, b, i and j to e.g. ASFINAG
§ 1 Abs. 8	Info	Information to governor	Proof about reported information to governor
§ 3 Abs. 4	Requirement	Approval for data recording and data storage	Written approval of test drivers must be included
§ 5	Requirement	Accident data recorders	Must be included and must help for the reconstruction of crashes and critical situations
§ 6	Requirement	Test data – video recording	Authorisation of data protection authority must be gathered.
2. Abschnitt	Requirement	Emergency equipment	Must exist and function

*= Information must be transmitted to contact point

°= Requirements generally need to be fulfilled from testing company without the need of proof

An attestation for testing can be certificated if mentioned information is transmitted via e-mail automatisierung@austriatech.at before test driving. The information will be transmitted from the contact point to the relevant authority at bmvit, which will permit the attestation.

Furthermore the compliance of Code of Practice¹ during the planning of the test and implementation is recommended.

¹ http://www.austriatech.at/files/get/292547d7831b0a0b6946383eb7ae7ec4/codeofpractice_20160607_en.pdf