

# TRAFICOM

Liikenne- ja viestintävirasto

## A Nordic+ webinar – A reality check on the future of autonomous vehicles

29th of November 2023



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## Testing automated vehicles in Finland - challenges and opportunities?

Reijo Jälkö, Chief Adviser  
Traficom





## Revised Vehicle Act

- ▶ Automated vehicle testing –  
Application process part of legislation
- ▶ Can business be part of testing?
- ▶ New national vehicle category – Light  
electronic transport device
- ▶ Exemption permit for a vehicle  
intended to provide public  
transportation

# Application for a test plate certification

- ▶ Professional registration plates / test plates
- ▶ Legal form (Business or other organization, State, Local government)
- ▶ Insurance (business identity code)
- ▶ Test plates may be used to transport unregistered vehicles and decommissioned vehicles.
- ▶ Test plates may only be used by the holder of the certificate for business-related purposes (no lending) in the following situations:
  - ▶ test driving a test vehicle for the purposes of examining the vehicle or its devices, for product development purposes.

**TRAFICOM**  
Finnish Transport and Communications Agency

## Application for a test plate certificate

Received by Traficom

Send the application to the address:

Finnish Transport and Communications Agency Traficom

PO Box 320

00059 TRAFICOM

or

kirjaamo@traficom.fi

<b>Applicant</b>	Name	Business ID
	Address	Postcode and town
	Email	Phone
<b>Legal form</b>	<input type="checkbox"/> Business or other organisation <input type="checkbox"/> State <input type="checkbox"/> Local government	
<b>Test plate insurance</b>	Prior to submitting your application, please check with your insurance company that you have valid test plate insurance. The insurance company will enter the test plate insurance data without the vehicle registration mark into the insurance information system (VAT). Separate test plate insurance must be in place for each test plate ID. Your application may be rejected if you do not have test plate insurance. Test plate insurance provider	
<b>Vehicle or vehicle group</b>	Test plate certificates are vehicle group specific and may be used only in a vehicle belonging to the specific vehicle group. Accordingly, test plates may only be used on a vehicle belonging to the vehicle group concerned. You may apply for several test plate certificates using this form. Fill in <b>how many certificates</b> in each vehicle group you apply for. <input type="checkbox"/> 6 Car ____ pcs <input type="checkbox"/> 7 Snowmobile ____ pcs <input type="checkbox"/> 8 Tractor Trailer Motor-powered working vehicle ____ pcs Motorcycle Moped Motorised quadricycle	
<b>Supporting documents</b>	<input type="checkbox"/> Other evidence - If the Trade Register does not indicate that your business relates to motor vehicles, you must provide information about the purpose for which you are seeking test plate certification. <input type="checkbox"/> Power of attorney - A power of attorney is required if you are not, according to the Trade Register, an authorised signatory of the business.	
<b>Applicant's signature</b>	Test plates may only be used for the purposes listed in section 116 of the Vehicles Act (82/2020). The provisions of section 41 of the Car Tax Act (777/2020) on the other tax exempt use of vehicles also apply. I hereby certify that the above information is true and correct. Place and date Signature and printed name	
<b>Validity of test plate certificates</b>	Test plate certificates are valid for a period of one year from the date of issue. Traficom renews test plate certificates automatically each year, unless the test plate certificate holder notifies an inspection station that test plate certification is no longer required. Test plate certificates cannot be renewed if the certificate holder fails to maintain test plate insurance and/or pay the certification fee.	

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# Automated vehicle testing

- ▶ Application process more complicated – more information from
  - ▶ Applicant
  - ▶ Test vehicles and automated systems
  - ▶ Drivers and their education
  - ▶ Test areas
  - ▶ Research roadmap
  - ▶ Safety plan
  - ▶ Time periods
  - ▶ Data collecting
  - ▶ Other relevant issues

- ▶ Previous information must be given if the test changes significantly or company starts a new test using old plates.
- ▶ Traficom has a right to interrupt test if
  - ▶ test does not match the application,
  - ▶ test causes dangerous situation or harm to traffic or
  - ▶ continuing test as it was permitted would cause increased risk to other road users.
- ▶ Report after 3 months /annually
- ▶ Traficom has a right to publish test results



# Light electronic transport devise

- ▶ New vehicle category (national)
- ▶ Remote operation
- ▶ Max speed 15 km/h, 1 kW engine
- ▶ Mainly in pedestrian lanes (walking speed, no disturbance to other pedestrians)
- ▶ Automated traffic light control
- ▶ Traficom enforcement from technical features
  - ▶ Measurements, mass, lights, reflectors, horns and brakes

# Exemption permit

- ▶ Exemption to the technical requirements
- ▶ for a single or separately identified vehicles
- ▶ intended to provide public transportation
- ▶ use on preplanned routes or areas
- ▶ Max speed 30 km/h
- ▶ Max period of four years





## Next steps

- ▶ Who is the driver?
- ▶ New information to vehicle register
- ▶ Communication between the unmanned automated vehicle and other road users

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## Thank you!

reiijo.jalko@traficom.fi

