Connected and automated driving in Finland – on-going pilots and projects

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START YOUR AUTOMATED VEHICLE TESTS IN FINLAND TODAY

- Testing of all automated vehicles (SAE levels 1–5) is possible in road traffic in Finland using a test plate certificate and associated test plates
- Fast and interactive approval process
- The vehicle must have a driver inside or outside the vehicle
- The test plate certificate holder must submit a report to Trafi on the trial results describing e.g. how the trial plan was implemented, and whether any deviations were encountered
- First test plate certificates granted in July 2016

www.trafi.fi/automated_vehicle_trials

“IF IT WORKS IN FINLAND, IT WORKS ANYWHERE!”

AUTOMATED DRIVING

ACTIVITIES & TEST SITES

1 Automated electric buses on public roads
- Automated last mile buses tested both in short-term trials and as longer-lasting replacements on regular public transport lines
- Increasing awareness among cities, organisations and citizens
- Learning about the business case for these kinds of vehicles

2 Automated driving technology
- A number of national and EU-funded pilot projects that aim at developing and solving technology issues related to challenging situations and environments
- Test vehicles that are operated on public roads: Marilyn (pictured right) and Martti

3 Arctic automation testing
- Guaranteed icy and snowy conditions in wintertime
- Aurora Snowbox testing ecosystem offers facilities for companies and authorities to validate, market and assess impacts and performance of automated vehicle functions in extreme weather conditions
- Testing on closed tracks and public roads as well as precise positioning and an extensive telecommunications network
- Instrumented & intelligent E8 highway stretch for CAV testing

CONNECTED DRIVING

- NordicWay connected vehicle corridor between Denmark, Finland, Norway and Sweden
- Pilots hazardous location and weather warnings Safety Related Traffic Information
- Demonstrates the concept of cellular and hybrid cloud to cloud communication
- Offers safety and interoperable services and builds a business model and an ecosystem for the data value chain and stakeholders
- Final results at the end of 2017

HYBRID COMMUNICATION V2X ARCHITECTURE

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