

ABSTRACT TITLE

Swedish approach to modern technology in driver's education and testing.

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ABSTRACT

The purpose with this presentation is to share how a quite simple approach has been useful and probably can be useful for a while ahead.

Self-driving vehicles are coming, but not in the way that many believe. We will, however within the near future see self-driving shuttle-buses and trucks on pre-programmed routes or in isolated areas. And ordinary passenger cars will also gradually become more and more automated and able to drive themselves in specific areas in good conditions.

The huge announcement from media about the fast development and production of self-driving vehicles can seem a bit stressful. Media usually focuses on the most optimistic forecasts for self-driving vehicles. Concepts such as self-driving or autopilot are often used in conjunction with driver assistance systems, which contributes to overestimation of what the systems are capable of.

The opinion of Swedish authorities is that it's better to first focus more on the oncoming advanced driver-assistance systems (ADAS), and talk less

about self-driving cars. These assistance systems make new demands on driving license training and tests, and new requirements on teachers and examiners. Driver training and tests need to be adapted to the new technology.

Different kinds of modern technology is already implemented in driver training and testing. Our presentation will describe how Sweden has started this trip. E.g.

- Example of a sub-goal in the curriculum for the mandatory risk education, and how it can be used.
- Example in how knowledge about different technical support systems can be measured in the theoretical knowledge test.
- Example in how we conduct and evaluate the use of new technology in the practical driving test
- How we have formulated support in the rules for the driving test and briefly about how the examiners instructions looks like.
- Examples of how we tackle specific technical assistance systems during the driving test.

Finally, the presentation will also give our view on what actions that should be done in the near future, and also what we consider that we do not need to do yet. We provide some examples of what we think needs to be changed in the driving license directive and some examples of other future challenges in drivers' education and testing.