# Compliance with the Swedish Traffic Ordinance (1998:1276)

## Supporting document - trial operation with self-driving vehicles

The purpose of this document is for the applicant to show how the vehicle complies with applicable traffic rules during the trial operation. The document contains situations identified from Traffic Ordinance (1998:1276). For complete mapping against legal requirements, see Swedish version of this document.

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| **Traffic regulations**  (1998:1276) | **Compliance** Describe how your system complies to the requirement |
| **Chapter 2 - Requirements for all road users** | |
| Does the vehicle understand traffic signals? |  |
| Does the vehicle understand road signs? |  |
| Does the vehicle understand road markings? |  |
| Does the vehicle understand instructions from police or other authorized officials? |  |
| Does the vehicle understand audio and light signals from emergency vehicles? |  |
| Can the vehicle identify different types of processions? |  |
| How does the vehicle handle rail or tram crossings? |  |
| How are those affected informed in the event of an accident? |  |
| How is the vehicle moved to a suitable location after an accident? |  |
| **Chapter 3 - Requirements for the operation of vehicles** | |
| How is the lighting on the vehicle handled? |  |
| How is the use of high beam handled? |  |
| How is the use of dipped beam or fog light handled? |  |
| How is the use of rear fog lamps handled? |  |
| If the vehicle is not equipped with lanterns or headlights, how is dark driving handled? |  |
| How is the use of lighting handled when the vehicle is parked on the road? |  |
| Does the vehicle meet the lighting requirements? |  |
| How does the vehicle handle other vehicles? |  |
| Can the vehicle itself pass an obstacle which means that the vehicle must make a lateral movement? |  |
| Does the vehicle handle situations when there are children at the side of the road? |  |
| How does the vehicle handle if there are cattle near the road? |  |
| How does the vehicle handle road works? |  |
| How does the vehicle handle a scene of a traffic accident? |  |
| How does the vehicle ensure that it does not stop in the middle of an intersection if obstacles exist? |  |
| How does the vehicle handle obstacles in its lane while meeting vehicles located in adjacent /opposite lane? |  |
| How does the vehicle handle other vehicles that have stopped at the roadside that is in its route? |  |
| How does the vehicle handle vehicles that do unexpected things in its own lane, e.g. reverses the direction of travel? |  |
| How does the vehicle handle other vehicles that are in its route or obscure the visibility of road signs or traffic signals? |  |
| How does the vehicle ensure that it does not stop or park where it is prohibited? |  |
| How is the vehicle moved to a suitable location after a vehicle failure? |  |
| How does the vehicle handle situations when other road users may be spattered with dirt or similar? |  |
| How does the vehicle place a warning triangle in the event of an accident? |  |
| How does the vehicle communicate to other road users with audio and light signals? |  |
| How is it handled that the vehicle gives signs of changing the pattern of movement well in advance of the movement? |  |
| How does the vehicle ensure that it is in the right lane? |  |
| How does the vehicle ensure that lane change is not done at a continuous line? |  |
| How does the vehicle handle lane change in dense queue formation? |  |
| How does the vehicle handle a multi-lane crossings? |  |
| How does the vehicle handle situations when it needs to change lanes and a vehicle behind has already started overtaking the vehicle? |  |
| How does the vehicle handle situations where vehicles in adjacent lanes want to drive in front of the vehicle? |  |
| How is overtaking in or near lanes reserved for certain traffic (e.g. regular public transport lane) handled? |  |
| How does the vehicle handle situations where two lanes merge? |  |
| How does the vehicle handle lane changes? |  |
| How does the vehicle handle pedestrian crossings? |  |
| How does the vehicle handle the passage of guarded and unguarded pedestrian and bicycle crossings? |  |
| How does the vehicle adapt the speed at walking and cycle crossings? |  |
| How does the vehicle handle overtaking situations in connection with walking and cycling? |  |
| Does the vehicle identify cyclists? |  |
| Does the vehicle identify moped drivers and motorcyclists? |  |
| Can the vehicle adjust the speed due to bad weather conditions? |  |
| How does the vehicle handle reduced visibility due to light conditions or weather conditions? |  |
| How does the vehicle handle signals from buses at the bus stop? |  |
| How is it ensured that the driver / operator has a clear view of the vehicle's progress? |  |
| How is it ensured that the vehicle does not become an obstacle to other road users? |  |
| Can the vehicle handle the priority to the right-rule? |  |
| How does the vehicle know that it will stop at a stop sign/marking? |  |
| How does the vehicle handle right of way? |  |
| How does the vehicle handle right of way when it is going out on a main road? |  |
| How does the vehicle handle the exit from a parking lot to a road? |  |
| How does the vehicle handle right of way towards pedestrians when crossing a pedestrian and cycle path? |  |
| How does the vehicle handle pedestrian right of way in pedestrian areas? |  |
| How does the vehicle handle right of way for cyclists and mopeds class II? |  |
| The operator/driver is responsible for the vehicle operation |  |
| The vehicle must keep a distance to vehicles in front and be able to stop without risk of collision. |  |
| Are there roads with the hard shoulder in the test area that the vehicle should use? |  |
| How does the vehicle handle a roundabout? |  |
| How does the vehicle handle a traffic island or similar barriers? |  |
| How does the vehicle handle intersections with other vehicle traffic? |  |
| How does the vehicle handle situations with vehicles that drop or pick up passengers? |  |
| How does the vehicle handle slip roads? |  |
| How does the vehicle handle a slip road to a major road where it has to pass pedestrian and cycle path |  |
| How does the vehicle handle vehicle placement and signals before it should cross a road junction? |  |
| How does the vehicle handle cyclists who are allowed to overtake on the right side of the vehicle? |  |
| How much lateral distance is required so that the vehicle is not affected by overtaking vehicles? Right and left side respectively? |  |
| How does the vehicle handle a train or tram meeting? |  |
| How does the vehicle handle overtaking by rail or tram? |  |
| How does the vehicle generally handle situations when other vehicles want to pass the vehicle? |  |
| How does the vehicle handle overtaking? |  |
| How does the vehicle ensure that it remains stationary when stopped or parked? |  |
| How is unauthorized use of the vehicle prevented? |  |
| How do you ensure that the vehicle leaves sufficient lateral distance when overtaking? |  |
| How does the vehicle handle a situation where it will start from the roadside? |  |
| How is it ensured that the vehicle movement on the road can occur safely? |  |
| How is it ensured that no more passengers are on board than allowed? |  |
| How to ensure that the cargo is secured and does not pose a danger to passengers |  |
| **Chapter 4 - Requirements for traffic with motor vehicles** | |
| How does the vehicle ensure that it does not tow more vehicles than allowed? |  |
| How does the vehicle ensure that the total gross weight is not exceeded? |  |
| How does the vehicle ensure that maximum load is not exceeded? |  |
| How is towing handled? |  |
| How is it ensured that no more passengers are on board than allowed? |  |
| How is it ensured that passengers are in their intended place? |  |
| How does the vehicle ensure that it does not emit noise or exhaust gases in such amount that it causes inconvenience? |  |
| How does the vehicle adapt its route, speed and mode of travel so that it does not unnecessarily disturb others? |  |
| If the vehicle is a bus equipped with seat belts, how are passengers informed about seat belt requirements? |  |
| How does the vehicle ensure that passengers under 15 years are wearing seat belts or special restraint system for children? |  |
| How does the vehicle ensure that it does not exceed the load capacity? |  |
| How does the vehicle handle regulations on combinations of vehicle, trailers, loading? |  |
| How does the vehicle with coupled trailer handle maximum speed? |  |
| How does the vehicle handle low emission zones? |  |
| **Chapter 8 - Requirements for traffic on the pedestrian street and the living street etc.** | |
| How does the vehicle handle driving on pedestrian streets? |  |
| **Chapter 9 - Requirements for traffic on the motorway and expressway** | |
| How does the vehicle handle highway traffic? |  |