

Framework for Assessing Potential Safety Impacts of ADS

1. Fill in the blanks with the terms given below.

DDT includes all real-time _____ and _____ functions to operate a vehicle in on-road traffic, excluding the _____ functions (e.g. trip scheduling, selection of destinations and waypoints).

strategic tactical operational

2. DDT – actually controlling a moving vehicle on public roads – consists of at least 6 sub-tasks. The terms relevant here are closer to physics and project management than to what you may have learned in driving school. Consider the movements, forces and physical operations that characterize driving a vehicle and name 6 of them:

A.

B.

C.

D.

E.

F.

3. Complete the following definitions with the given terms:

designed conditions unable radar drivable DDT hardware and software lidar

1. Automated Driving System (ADS) is the _____ collectively capable of performing the entire _____ on a sustained basis.
2. Operational Design Domain (ODD) is the _____ under which a given automation system or feature is specifically _____ to function.
3. DDT Fallback occurs when the ADS is _____ to continue to perform the entire DDT.
4. A minimal risk condition must be achieved if the vehicle is not _____.
5. _____ is a range-finding technology that supports perception.
6. _____ allows generation of high-definition 3D maps by sending and receiving high-frequency radar.