Bringing intelligent vehicles to the road

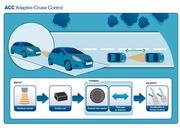
Function Identification and Description

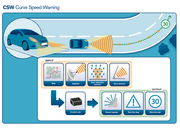
euroFOT aims to quantify the impact of in-vehicle active safety systems on safety, environment, usage and acceptance, and efficiency. Eight functions that are already present in the market were analysed. Today's customers can order these functions as optional equipment when they buy their vehicle.

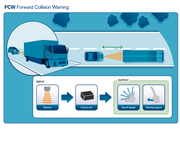
euroFOT has selected a large number of customer owned passenger cars and long distance trucks in different test fleets, and installed equipment to record the necessary data to allow for extensive analysis of, for example, driver behaviour in relation to the use of active safety systems.

Three groups of systems were investigated:

- **Longitudinal Support Systems**
  - **Adaptive Cruise Control (maintaining speed and distance to a leading vehicle)**
  - **Forward Collision Warning (warning in case of increased frontal collision risk)**
  - **Speed Regulation System (limiting the maximum speed)**
- **Lateral Support Systems**
  - **Lane Departure Warning (warning in case of a lane departure)**
  - **Blind Spot Information System (warning in case of an object in the vehicle's blind spot)**
- **Additional driver support systems**
  - **Safe HMI (presenting navigational information safely to the driver)**
  - **Curve Speed Warning (warning the driver when approaching a curve with excessive speed, prototypic system)**
  - **Fuel Efficiency Advisor (coaching the driver to drive efficiently)**







SEVENTH FRAMEWORK PROGRAMME