ORSAFER EURO NCAP











TRAFIKVERKET















Research



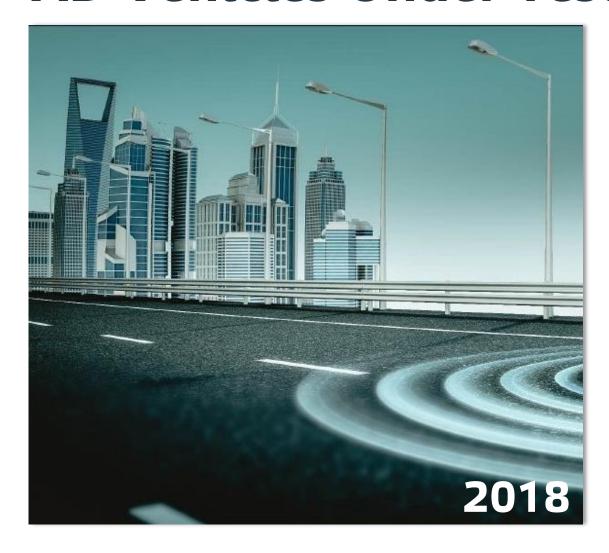




Euro NCAP second release on Assisted Drivingram

EUCAD – 8 September 2020

AD Vehicles Under Test

























2018 Results Summary





























DS AUTOMOBILES

Euro NCAP Definitions for AD



Assisted

- Driver retains full responsibility and shares control with the Vehicle
- Vehicle & Driver share Object and Event Detection and Response (OEDR)
- Driver may not perform secondary tasks over and above those permitted during normal driving

Automated

- Vehicle has full responsibility for control in Operational Design Domain (ODD) defined by the OEM
- Vehicle performs OEDR
- Driver may perform certain other non-driving tasks
- Driver needs to be available for safe transition of control





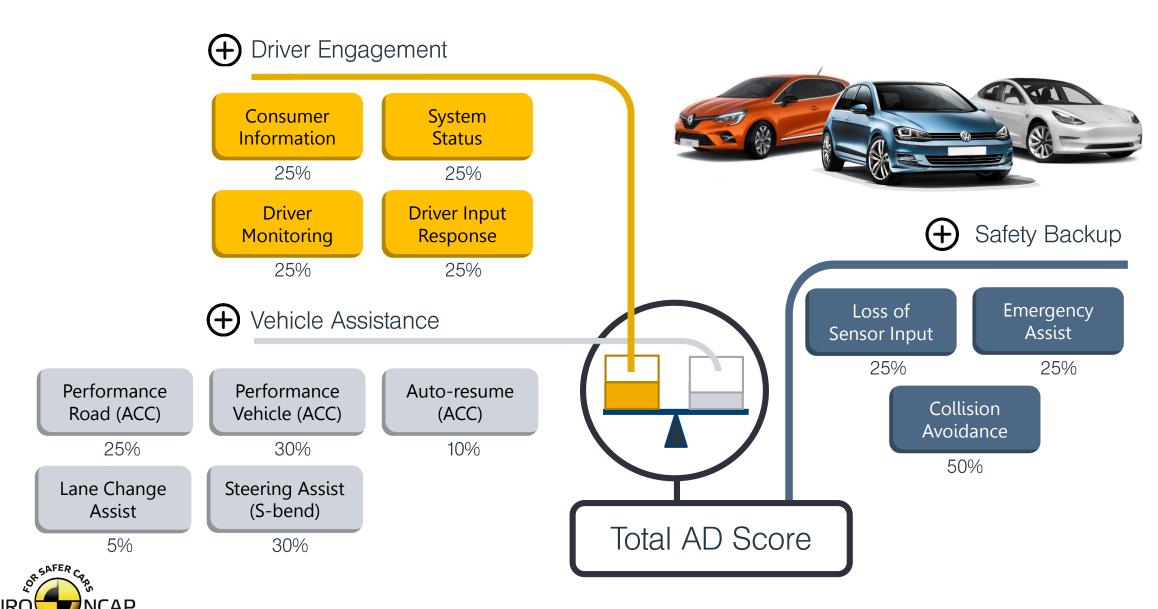
Autonomous

- Vehicle has full responsibility for control in Operational Design Domain (ODD) defined by the OEM
- Vehicle performs OEDR
- Driver is effectively a passenger
- Driver has no ability to control (apart from switching to another mode)

Euro NCAP AD Matrix

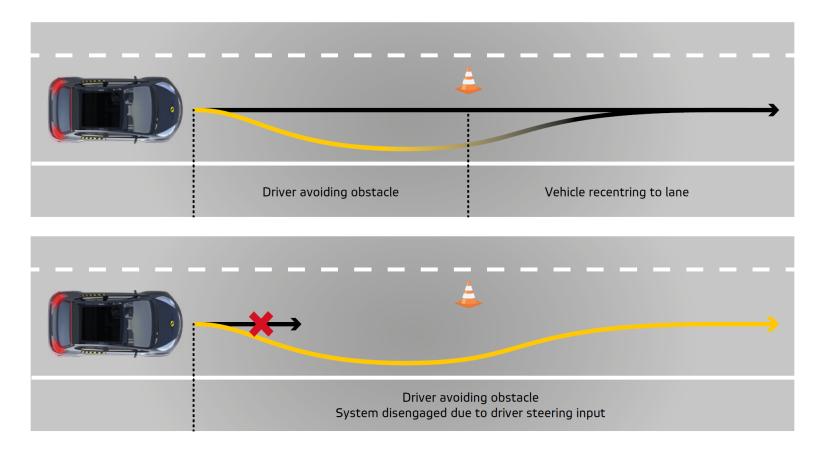
	Parking	City	Inter-Urban	Highway
Assisted				
Automated				
Autonomous				

Safe Automation – 2020 Release



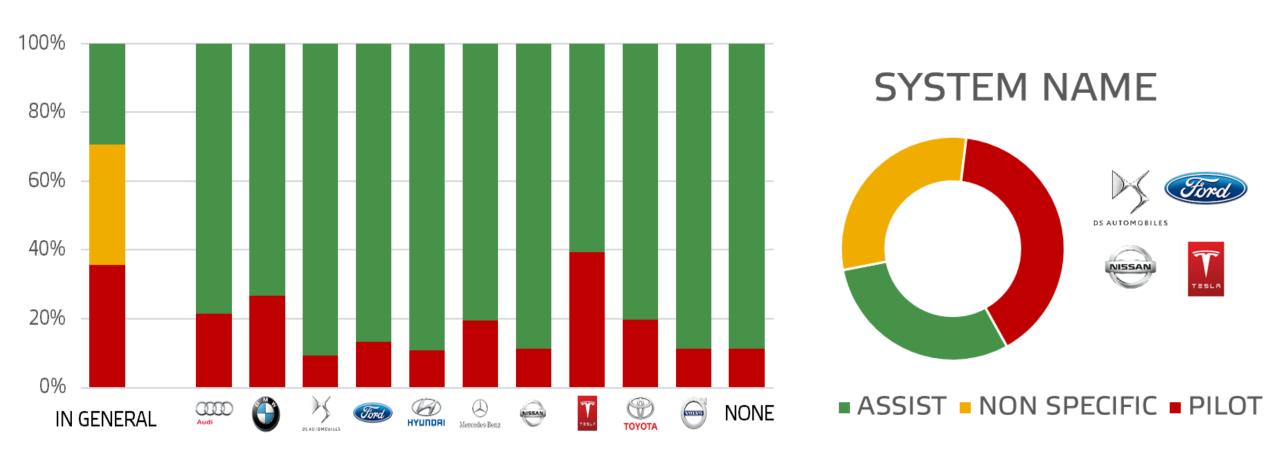
Driver Engagement

- Consumer information
 - Naming
 - Marketing
- System status
 - Icons
- Driver Monitoring
 - Indirect vs direct
- Driver input response





Consumer Information





System Status







Stand-By

Longitudinal Only

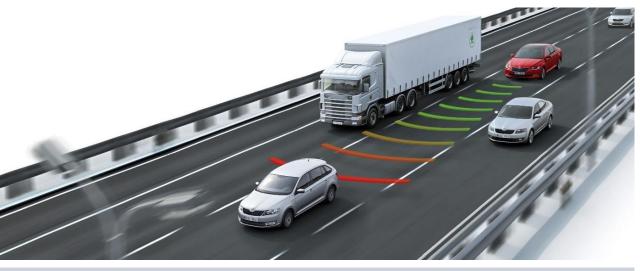
Longitudinal & Lateral



Vehicle Assistance









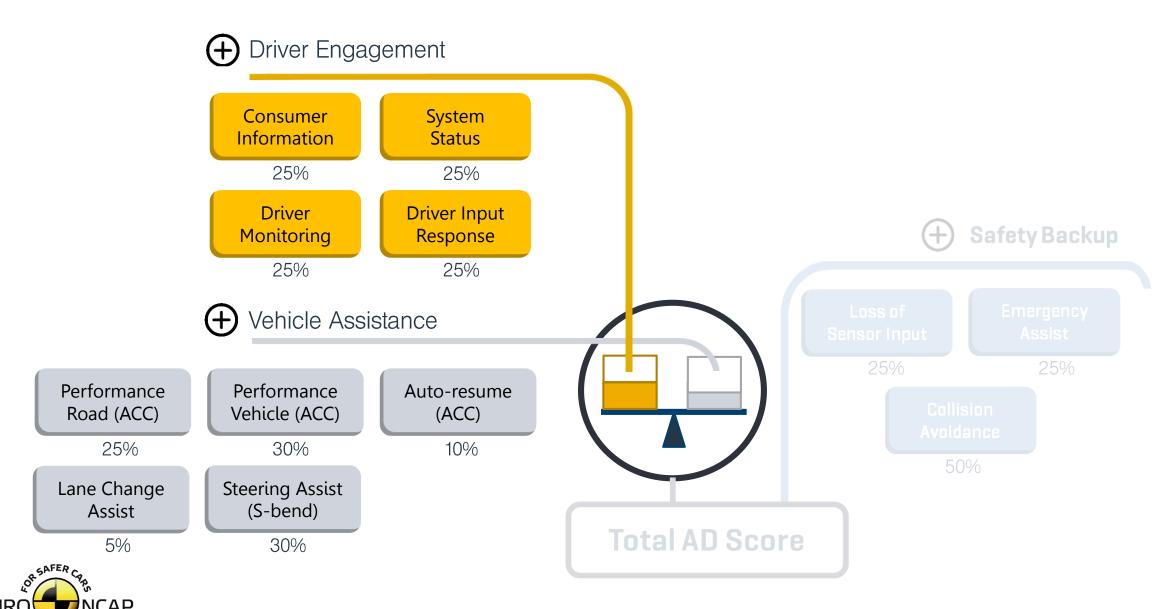




Lane Centering



Safe Automation – Balance



Driver Monitoring



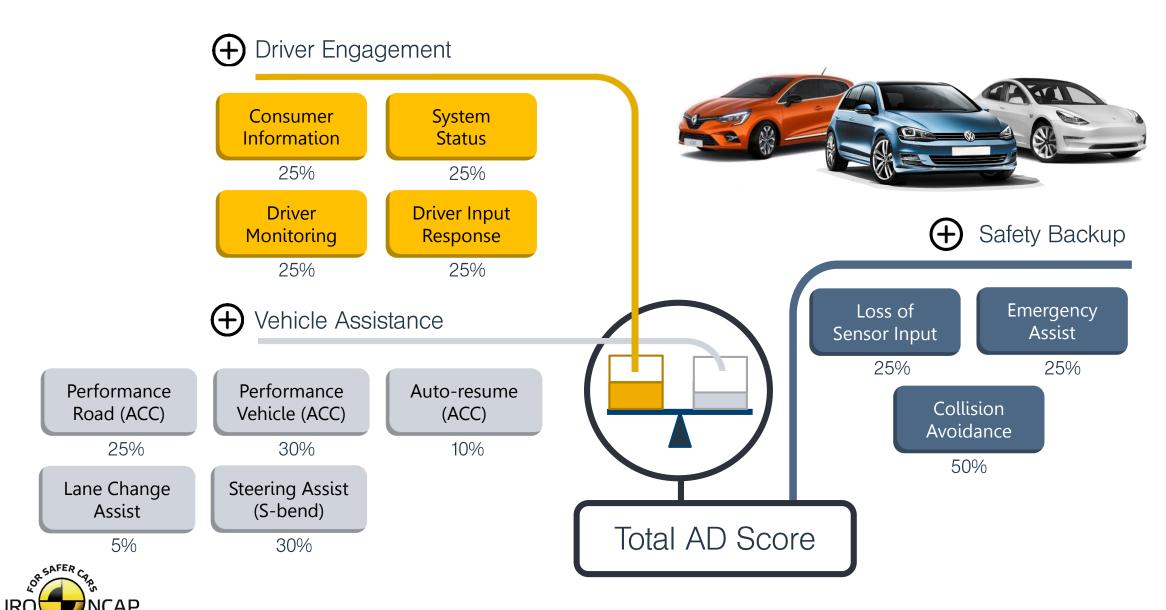


Attention Assist

Direct Driver Monitoring



Safe Automation – Balance

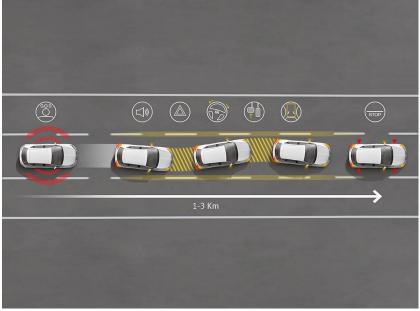


Safety Backup



Loss of Sensor

Emergency Assist





Collision Avoidance



2nd Publication on AD























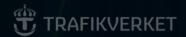


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Research

