

VACS without traffic flow implications – Driver monitoring systems

System	Description	Sources of info
Automated Emergency Stop (AES)	Also called Driver Monitoring (DM) system, continuously monitors the driver and brings the vehicle at a safe state with a minimum risk manoeuvre (e.g. lane change on emergency lane with subsequent vehicle stop) if he/she drops out	Bishop, 2005; Van Driel, 2007; iMobility Forum, 2013
Impairment Warning (IW)	Alerts tired and distracted drivers; a camera monitors the car's movements between the lane markings and calculates the risk of the driver losing control of the vehicle and a message in the display advises the driver if it is time to take a break	http://www.eurofoot-ip.eu/en/intelligent_vehicle_systems/acc/ [accessed 11.03.2013]