

## Motorway traffic related VACS – Speed regulation systems

System	Description	Sources of info
<b>Active Green Driving (AGD)</b>	A suitably designed, within the HAVEit EC project, human-machine interface used to coach the driver with the aim to reduce the fuel consumption and pollution	Hoeger et al, 2011
<b>Cooperative Variable Speed Limit System (CVSLS)</b>	Extension of the Variable Speed Limit (VSL) system that employs V2I communication to communicate to vehicles upstream of the existing VSL system location, individual speed limits determined by their current speed and position	Grumert et al, 2013
<b>Fuel Efficiency Advisor (FEA)</b>	Supports in maintaining the engine speed in the "green area" towards optimal usage of the vehicle with respect to fuel efficiency; advices when the engine speed is outside the "green area" longer than a pre-set limit; warns when a certain speed threshold is reached and when the engine is on idle for an extended time	Kessler et al, 2012; <a href="http://www.eurofot-ip.eu/en/intelligent_vehicle_systems/fea/">http://www.eurofot-ip.eu/en/intelligent_vehicle_systems/fea/</a> [accessed 11.03.2013]
<b>Intelligent Speed Adaptation (ISA)</b>	Primarily used to maintain speed within the legal (posted) limits; more advanced versions allow for dynamic speed limits that may be adjusted based on factors such as traffic conditions, time of day, and weather conditions	Tampère et al, 1999; Carsten and Tate, 2000, 2005; Varhelyi and Makinen, 2001; Biding and Lind, 2002; Hegeman, 2002; Hogema et al, 2002; Liu and Tate, 2004; Bishop, 2005; van Driel, 2007; Boriboonsomsin et al, 2008; Doecke and Woolley, 2010; Marchau et al, 2010; SWOV, 2010; Hoeger et al, 2011; Vlassenroot et al, 2011a, 2011b; Benmimoun et al, 2012; Blum et al, 2012; Kessler et al, 2012; iMobility Forum, 2013