

	In the 1990s, the US National Transportation and Safety Board paid attention to driver fatigue as
	one of the most important causes of road accidents (National Transportation and Safety Board of US 1999).
	Horne et al (1999) stated that 10-20% of all accidents is related to driver fatigue.
	 Almost 25% of all serious truck accidents result from drivers falling asleep at the wheel (Statistische Bundesamt)
	 Boussuge, J., (1995) found that fatigue and/or drowsiness of the Driver caused around 30% of accidents in French highways in the period 1979-1994, whereas about 40% of fatal accidents on US highways are sleep-related (Garder, P, 1998).
	A French survey reveals that drowsiness is among the main causes of fatal accidents, with excessive speed and alcohol
	A French survey 2007 (internet and phone - motorway subscribers) shows that about 16% of the drivers recognize a critical situation (close to accident) due to sleepiness and about 7% report an accident due to sleepiness on the wheel.
	 AFSA study shows that 43% of fatalities on French motorway are due to fatigue, hypovigilance or sleepiness
_	Continental &

























Potential HMI:	
Seat or seat belt vibrations	
Buzzer for sleepy state	
Vocal messages	
SLIGHTLY DROWSY: Upcoming drowsiness detected: Please be careful	
DROWSY: Drowsiness detected:Please take a rest	
SLEEPY: Sleepy behavior detected; Caution; Please take a rest immediately	
OBreak pulses	
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