lazard ID Situational Analysis						Hazard Identification						Hazardous Event Classification						Determination of ASIL and Safety Goals	
Operational Mode	Environmental Details	Situation Details	Other Details (optional)	Item Usage (function)	Situation Description	Function	Deviation	Deviation Details	Hazardous Event (resulting effect)	Event Details	Hazardous Event Description	Exposure (of situation)	Rationale (for exposure)	Severity (of potential harm)	Rationale (for severity)	Controllability (of hazardous event)	Rationale (for controllability)	ASIL Determination	Safety Goal
HA-001 OM03 - Normal driving OS04 - Highway	EN06 - Rain (slippery road)	SD02 - High speed		U01 - Correctly used	Normal driving on a highway during rain d (slippery road) with high speed and correctly used system.	Lane Departure Warning (LDW) function shall apply an oscillating steering torque to provide the driver with haptic feedback	DV04 - Actor effect is too much	The LDW function applies an oscillating torque with very high torque (above limit)	EV00 - Collition with other vehicle	High haptic feedback can affect driver's ability to steer as intended. The driver could lose control of the vehicle and collide with another vehicl or with road infrastructure	The LDW function applies an oscillating torque with very high torque (above limit) function applies an oscillating torgue with very high torque (above limit.)	E3 - Medium probability	1 % to 10 % of average operating time	S3 - Life-threatening or fatal injuries	Collitions at high speed could cause fatal injuries	C3 - Difficult to control or uncontrollable	In wet condition and at high speed, it is difficult to control the steering wheel	С	The oscillating steering torque from the Lane Departure Warning function shall be limited
HA-002 OM03 - Normal OS03 - Country Road	EN01 - Normal conditions	SD02 - High speed		U02 - Incorrectly used	Normal driving on country roads during normal conditions with high speed (the driver is misusing the lane keeping assistance function as an autonomous function)		DV03 - Function is always activated	Lane Keeping function is always activated	EV00 - Collition with other vehicle other vehicle	the driver was misusing the function by taking both hands off the wheel an incorrectly treating the car as a fully autonomous vehicle	The driver do not use the function properly	E2 - Low probability probability	<1 % of average operating time	S3 - Life-threatening or fatal injuries	Collitions at high speed could cause fatal injuries		after the driver distracted from driving he cannot react quick enough to the situation	В	The Lane Keeping Assistance function shall be time limited, and additional time interval so the driver cannot misuse the system for autonomous driving.
HA-003 OM03 - Normal driving OS04 - Highway	EN04 - Snowfall (degraded vid	ew SD02 - High speed		U01 - Correctly user	Normal Driving on Highway during d Snowfall (degraded view) with High speed (Night time + Obstacle on the road or upcoming curve)	Lane Departure Warning (LDW) function shall apply an oscillating steering torque to provide the driver with haptic feedback	DV07 - Actor action too late	the drive wheel vibarates too late	EV02 - Side collision with other traffic	The lane departure warning function acts to late, so that the driver cannot react ontime to keep the vehicle in the midle of lane. The vehicle can crash into other vehicles in the next lane.	The LDW function reacts to late wher vehicle deviates from the lane center		<1 % of average operating time	S3 - Life-threatening or fatal injuries	Collitions at high speed could cause fatal injuries	uncontrollable	When driving on highway at high speed in snow it is difficult to control the vehicle if it deviates from it lane	В	Late reaction of lane warning function shall b prevented
HA-004 OM03 - Normal driving OS10 - Road with construction	site EN06 - Rain (slippery road)	SD02 - High speed		U01 - Correctly used	Normal driving on road with d construction site during raining with high speed and correctly used system	Lane Keeping Assistance (LKA) function shall apply the steering torque when active in order to stay in ego lane	DV11 - Actor effect is wrong	lane keeping function does not work correctly due to disturbance at construction site	EV00 - Collision with other vehicle other vehicle	Actor effect is wrong, therefore vehicle is not kept in the lane midle, that causes collision with construction obstacle	Lane keeping function does not work correctly	E2 - Low probability probability	<1 % of average operating time	S2 - Severe and life- threatening injuries	Collitions at high speed with obstacle could cause severe injure		When driving on road at construction site, it is difficult to control because the lane is offen narrow	А	Actor effect should be precise enough with a acceptable tolerance