Hazard	Situational Analysis								Hazard Identification						Hazar dons Event Classification						Determination of ASIL and Safety Goals	
	Operational Mode	Operational Scenario	Environmental Details	Situation Details	Other Details (optional)	Item Urage (function)	Situation Description	Function	Deviation	Deviation Details	Hazardous Event (resulting effect)	Event Details	Hazardoux Event Description	Exposure (of situation)	Rationale (for exposure)	Severity (of potential harm)	Rationale (for severity)	Controll shility (of hazardous event)	Rationale (for controllability)	ASIL Determination	Safety Goal	
HA-601	OMCO - Normal Driving	OS04 - Highway	EN06 - Rain (slippery road)	SD02 – High speed		IU01 - Correctly used	Normal driving on a highway during rain (alippary road) With high speed and correctly used system	Lane Departure Warning (LDW) function shall apply an oscillating steering torque to provide the citiver with haptic feedback	DV04 - Actor effect is too much	The LDW function applies and oscillating forque with very high torque (above limit)	EV00 - Collision with other vehicle	High haptic feedback can affect drivers ability to steer as intended. The driver could lose control of the valicities and collide with another valicities or with road infrastructure	The LDW function applies too righ an oscillating torque to the steering wheel (above limit)	E3 - Medium probability	Driving on a highway with rain (slippery roads) may occur 1 % to 10 % of average operating time		Driver is driving at high speed (>40mph)	C3 - Difficult to control or	The instant high torque applied to the steering wheel may be higher than the instant force that a driver can apply to correct it in a short period of time.	c	The oscillating steering torque from the one departure warning function shall be imited.	
HA-002	OMCO - Normal Driving	O903 - Country Road	EN01 - Normal Conditions	SD02 - High speed		IU02 - Incorrectly used	Normal driving on country reads during normal conditions	Lane Keeping Assistance (LKA) function shall apply the steering torque when active in order to stay in ego lone		The Lane Keeping function is always activated	EV00 - Collision with other vehicle	The driver could use the function as if it were a fully autonomous driving car and loose attention in the driving task.	The Lare Keeping function is always activated and has not ime limit. This causes the driver to teal the function as if I were meent for fully autonomous driving	E2 - Low probability	Driving on a country road and misusing the system may not happen too often	S3 - Life-threatening or fatal injuries	Oriver is driving at hig speed (>40mph)		Driver's hands are not on the steering wheel at high speeds. A vehicle accident would not be controllable.	5	The lane keeping essistance function that be time limited and the additional telesting longer shall end after a given lime interval so that the driver cannot misuse the system for autonomous miring.	
HA-003	OMGS - Normal Driving	OS04 - Highway	EN01 - Normal Conditions	8D02 – High speed		IU01 - Correctly used	Normal driving on a highway during normal conditions with high speed and correctly used system	Lane Departure Warning (LDW) function shall apply an oscillating steering torque to provide the criver with haptic feedback.	DV19 - Sensor detection is wrong	The camera servior falls to defect the road lines, causing the departure warning not to be triggered into haptic feedback or warning to the driver)	EV00 - Collision with other vehicle	haptic feedback and warring to the driver would be applied, causing	The carners sensor falls to detect the road lines, causing the departure warning not to be riggered (no haptic feedback or warning to the driver)	E3 - Medium probability	Driving on a highway may occur 1 % to 10 % of average operating time.	S3 - Life-threatening or fatal injuries	Driver is driving at hig speed (>40mph)		Driver may react in time and correct the steering angle towards the ego lane of the vehicle	8	The camera sensor ECU shall send a camera sensor fault signal to the Car sleptay ECU so that a Lane Keoping sestant describated warning due to sensor fault is shown in the Car Display.	
HA-004	OM63 - Normal Driving	OS03 - Country Road	EN04 - Snowfall (degraded view)	SD03 - Normal Acceleration		IU01 - Correctly used	Normal driving on a country road during snowfall (degraded view) with normal acceleration and correctly used system	Lane Keeping Assistance (LKA) function shall apply the steering torque when active in order to stay in ego lane	OV19 - Sensor detection is wrong	Comera sensor is not able to detect road lines because of snow on the road.	EV04 - Car comes off the road	manner due to limited visibility.	Camera sensor is not able to detect road lines because of snow on the road.	E2 - Low probability	Driving on a country road during snow may not happen too often.	53 - Life-threatening or fatal injuries	Coming out of the road may cause collision with other vehicles, barriers,		In normal acceleration and speed drivers may be able to react and control the car	^	ine Keeping Assistant function shall be beactivated in case of sensor fault. A verning message in the car display shall be showed.	