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				Situational Ass										Harmodous Europ Chamiltonion						Determination of ASE and Safety Goals	
Hazard ID									Function Deviation Deviation Details Managing States Super Details Managing												
	Operational Mode	Operational Scenario	Details		Other Details (optional)	flunction)	Situation Description	Function	Devistion		(resulting effect)		Hazardous Event Description	Exposure (of situation)	Rationale (for exposure)	Severity (of octential harm)	Rationale (for severity)	(of hazardous event)	Rationale (for controllability)	ASIL Determination	Safety Goal
HA-001	Normal Driving	Highway	Rain(slippery road)	High Speed		Correctly Used	Normal Driving on a highway during rain- with high speed and correctly used system	Lane Departure Warning (LDW) function shall apply an oscillating steering torque to provide the driver with hap6c leacharts	Actor effect is too much	The LDW function applies an oscillating sorque with very high sorque(above limit).	vehide	High haptic feedback can affect drivers ability to steer as intented. The driver loces control and could collide with another vehicle or side of the road.	The LDW function applies too high an oscillating tonque to the steering wheel (above limit).	E3 - medium	Driving on a highway with rain could happen between 1% and 10% of the time operating the whice. This may occur once a month	53	Collisions at high speed is a life threatening situation and can cause fatal injuries.	C3 - Difficult to control	It is difficult to coreof the car steeling in rain if the steeling wheel is vibrating	ASIL-C	The oscillating steering torque from the Lane Departure Warning function shall be limited.
HA-002	Normal Driving	County Road	Normal conditions	High speed		incorrectly used	Normal Driving on a county road in normal conditions at high speed and incorrectly used system	Lane Keeping Assistance (LKA) function shall apply the steeding torque when active in order		The Lane Keeping assistance is always active		attention and the car collides with	Lane Keeping Assistant function correctly and leaves the steering wheel causing	E2-Low	Driving in country road happens only a few times a year, its probability is <1% of average operating time	53	Driving at high speed is a life threatening situation		The driver is travelling at high speed in country reads. So, its difficult to control		The Lane Keeping Assistance function shall be time limited, and additional steering torque shall end after a given time intensiso the driver cannot misuse the system for autonomous driving.
144-003	Normal Driving	Mountain Pass	view)	Low Speed		Correctly Used	Normal Driving in a Mountain-Pass in Snowfall at low speed and correctly used system	Lane Departure Warning (LDW) function shall apply an oscillating steering torque to provide the driver with haptic feedback.	too much	an oscillating torque with very high torque(above limit).	road	The lare is covered with snow and due to snowfal, visibility is unclear. Camera doesn'thurcion properly and thus LDW system may activate	activates even though the driver is driving carefully. This is because, due to snow the lanes might not be clearly visible. If whateforal surgues are applied on the steering wheel is this case, then the car can skild or become	\$2 - Low	Driving in mountains along with snowfall doesn't happen very other and thus has probability of crifs of average operating time.		Driving in mountains: with snowfall is risky and life threatening if met with accident.		ts difficult to control a car in snowbill and in the mountains		Introcutation regions; the Lane Departure system should work mirroral. The strope should not be very high. It would be highly advanted to disable the system as visibility is not clear.
HA-004	Normal Driving	Highway	Cross Wind (lateral force)	High Speed		Correctly Used	Normal Driving on a highway in cross wind at high speed and correctly used system	Lane Keeping Assistance (LKA) function shall apply the steering torque when active in order	Actor effect is too less	The Lane Keeping assistance is not working properly because the torque is not sufficient to keep the car in lane.	or collides with other	Due to high lateral cross wind, the lane keeping assistance is not able to keep the car in the lane.	If the amount of torque applied by the LKA is not sufficient enough, then the car will move to the edge of lane and thus get in accident.	£3 - medium	Cross winds can occur once a month and thus have a probability between 1% to 10% of swerage operating time	53	Driving in highways with high speed during wind can result in serious accidents	C2 - Normally Controllable	The driver can control the car and steer it in right hane	ASL-B	The lane assisting system should apply a high-torque in case of strong winds, so that the car can maintain its lane.