Hazard ID	ard ID Situational Analysis							Hazard MontEcation						Hazardous Event Classification						Determination of ASIL and Safety Goals	
Hazard ID	Ferrimental Other Date II New House													Hazzardous Event Cassicaston Hazzardous Event Cassicaston Rationale Sevent Rationale Controllability Rationale						140	
	Operational Mode	Operational Scenario	Details	Situation Details	(optional)	(function)	Situation Description	Function	Deviation		(resulting effect)	Litera Details	Hazardous Event Description	(of situation)	(for exposure)	(of potential harm)	(for severity)	(of hazardous event)	(for controllability)	Determination	Safety Goal
HA-001	OM03 - Normal drivin	g OS04 - Highway	EN06 - Rain (slipper) road)	SD02 - High speed		IU01 - Correctly used	Normal driving on a highway during rain (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).		High haptic feedback can affect driver's ability to steer as intended. The driver could lose control of the vehicle and collide with another vehicle or with road infrastructure.	high an oscillating torque to the		Driving on a highway during rain can happen once a morth or more depending on driver's location.	S3 - Life-threatening or fatal injuries	Driver is traveling at high speed.	C3 - Difficult to control or uncontrollable	Overeaction of wheel's vibration is very distracting and even suprising, so the most drivers won't be able to avoid farm.	С	The oscillating steering torque from the LDW function shall be limited.
HA-002		g OS03 - Country Road	EN01 - Normal conditions	SD02 - High speed		IU02 - Incorrectly used	Normal driving on country roads during normal conditions with high speed.	Lane Keeping Assistance (LKA) function shall apply the steering torque when active in order to stay in ego lane	DV03 - Function always activated	LKA function is always activated.	EV00 - Collision with other vehicle	Driver treats the function as if it were meant for fully autonomous driving and therefore can't react on critical situations.		E2 - Low probability	The driver is on a country road and misusing the system.	S3 - Life-threatening or fatal injuries	Driver is traveling at high speed.	C3 - Difficult to control or uncontrollable	LKA is always on, driver could take hands off the wheel and therefore looses control entirely.	В	LKA function shall be time limited and the additional steering torque shall end after a given timer interval so that the driver cannot misuse the system for autonomous driving.
HA-003	OM03 - Normal driving	OS06 - Off Road	EN01 - Normal conditions	SD02 - High speed		IU01 - Correctly used	Normal driving on off road during normal condition with high speed and correctly used system.	Lane Departure Warring (LDW) function shall apply an oscillating steering torque to provide the driver with haptic feedback	DV12 - Sensor sensitivity is too high			oscillation of steering wheel can	When vehicle is on high speed, the oscillating torque on steering wheel would results in collision.	E2 - Low probability	Driving on off road happens only <1 % of average operating time of the vehicle	S3 - Life-threatening or fatal injuries	Collision at high speed on mountain road could cause life- threatening injuries		LDW function failed to identify lane on off road. So, random amplitude applied on steering wheel which is difficult to control on high speed.		The LDW function shall be turned off when driving on off road condition.
HA-004	OM03 - Normal Driving	OS03 - Country Road	EN01 - Normal conditions	SD02 - High speed		IU01 - Correctly used		Lane Keeping Assistance (LKA) function shall apply the steering torque when active in order to stay in ego lane	DV02 - Function unexpectedly activated	The camera sensor stop working and the Lane Keeping Assistance function continue to be activated.	EV00 - Collition with other vehicle.		The Lane Keeping Assistance start acting randomly when the camera sensor is not working.		Driving on a highway with rain could happen between 1% and 10% of the time operating the vehicle.	S3 - Life-threatening or fatal injuries	Collitions at high speed could cause fatal injuries.		When the driver loose control of the vechicle is very difficult to realize the situation and act accordently.		The Lare Keeping Assistance function shall be deactivated when the camera sensor stop working.