Hazard ID	Situational Analysis							Hazard Identification						Hazardous Event Classification						Determination of ASIL and Safety Goals	
	Operational Mode	Operational Scenario	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		IU01 - Correctly used	Normal Driving on a highway during rain (slippery road) with high speed and correctly used system.	torque to provide the driver with haptic feedback	effect in ten	The LDW function applies an oscillating torque with very high torque (above limit)	EV00 - Collision 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 vehicle or side of the road.	The Lane Departure Warning function applies an oscillating torgue with very high torque (above limit.)	E3 - Medium probability	Driving on a highway with rain could happen between 1% and 10% of the time operating the vehicle.	\$3 - Life-threatening or fatal injuries	Cause accidents that may lead to fatal injuries	uncontrollable	It is difficult to control the steering vehicle when a very high oscillating torque is applied on the steering wheel at high speeds	С	The oscillating steering torque from the lane departure warning function shall be limited
HA-002	OM03 - Normal Driving	OS03 - Country Road	EN01 - Normal conditions	SD02 - High speed		IU02 - Incorrectly user	Normal driving on country roads during d normal conditions with high speed and incorrectly used system.	function shall apply the steering torque when active in order to stay in ego lane	always	The LKA function is always activated	s EV00 - Collision with other vehicle	Driver use the function as if the car was a self-drving car and loose driving attention	The LKA function is always activated and the driver does not use the function as intended.	E2 - Low probability	The conviation beween driving at a country road and misusing system should not happen oftern. Less than 1% of the time operating the vehicle.	S3 - Life-threatening or fatal injuries	Cause accidents that may lead to fatal injuries	uncontrollable	As the driver is not using function properly and not paying attention, the driver will find it very difficult to control the vehicle	В	The LKA function shall be time limited and the additional steering torque shall end after a given time interval so that the driver cannot misuse the system for autonomous driving
HA-003	OM03 - Normal Driving	OS04 - Highway	EN03 - Fog (degraded view)	SD01 - Low speed		IU01 - Correctly used	Normal driving on a highway during fog (degraded view) with low speed and correctly used system.	Lane Departure Warning (LDW) function shall apply an oscillating steering torque to provide the driver with haptic feedback	DV19 - Sensor detection is wrong	The camera subsystem detects lane lines may be falled due to degraded vier	ather cobiets	Due to degraded view, the camera sensor is not able to identify lane lines or incorrectly identifies lane lines. The driver may get incorrect feedback and may cause vehicle collisions		E3 - Medium probability	Driving on a highway on degrader view such as fog may happen between 1% to 10% of the average operating time	S3 - Life-threatening or fatal injuries	Driving on degraded view even though in low speed can cause accidents that may cause fatal injuries	C3 - Difficult to control or uncontrollable	As the visibility is less and due to incorrect feedback, the driver gets incorrect information the driver may find it very difficult to control the vehicle if he finds in a hazardous event	С	The LDW function shall be turned off with a warring to the user when operated in degraded viewing conditions
HA-004	OM03 - Normal Driving	OS04 - Highway	EN05 - Cross-wind (lateral force)	SD02 - High speed		IU01 - Correctly used	Normal driving on a highway road during cross-wind (lateral force) conditions with high speed and correctly used system.			The LKA function applies less torque when lateral forces exist	EV-02 - Side collision with other traffic	As lesser torque is applied, the car may still be going out of the lane	The LKA function applies less torque	E3 - Medium probability	Driving on a highway when cross winds exist may happen between 1% to 10% of the average operating time	S2 - Severe and life- threatening injuries	Side-on collisions may happen that can cause severe injuries	controllable	Since, the driver uses the function properly, he may be able to control the vehicle and apply the extra torque to the steering	A	The LKA function shall apply extra torque when a lateral force exists on the vehicle