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	Lane Departure Warning (LDW) function shall apply an oscillating steering torque to provide the driver with haptic feedback	DV04 - Actor effect is too much		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 with road infrastructure	high an oscillating torque to the	E3 - Medium probability	According to functional safety standards, driving on wet roads is E3	S3 - Life threatening or fatal juries	Driver is travelling at high speed	C3 - Difficult to control o uncontrollable	or Most drivers would have difficulty in controlling the vehicle if the steering wheel vibrates excessively	С	The oscillating steering torque from the LDW function shall be limited.
HA-002	OM03 - Normal driving	OS03 - Country road	EN01 - Normal conditions	SD02 - High speed		IU02 - Incorrectly used	Normal driving on country roads during normal conditions with high speed and incorrectly used system	steering torque when active in order to stay in ego lane	DV03 - Function always activated	The LKA function is always activated	EV00 - Collision with other vehicle	The driver takes both hands off the steering wheel and treats the vehicle as if it were fully autonomous, becoming too comfortable and stops focusing on driving. Consequently, the driver cannot take control of the car at critical moments		E2 - Low probability	Driving on country road and misusing the system occurs at most a few times in a year	S3 - Life threatening or fatal juries		C3 - Difficult to control o uncontrollable	or The LKA function is always active, and driver's hands aren't on wheels at high speeds, a vehicle accident would not be controllable accident would not be controllable	В	The LKA function shall be time limited and the additional steering torque shall end after a given timer inferval so that the driver cannot misuse the system for autonomous driving
HA-003	OM03 - Normal driving	OS04 - Highway	EN05 - Cross-wind (lateral force)			IU01 - Correctly used	Normal driving on highway during cross- wind with high speed and correctly used system	Assistance (LKA) function shall apply the steering torque when active in order to stay in ego lane	DV04 - Actor effect is too much	same direction as the applied steering torque, the resultant steering torque becomes too high	EV-02 - Side collision with other traffic	The resultant steering torque is too high, causing the car to over-steer The car could drive on the edge of ego lane	in an applied steering torque	E3 - Medium probability	Driving in windy weather conditions occurs a few times in a month	fatal juries	high speed		the driver can steer the vehicle back to ego lane if the vehicles approaches the edge of ego lane	В	The LKA function shall apply a lower torque when the crosswind is in the same direction as the applied torque
HA-004	OM03 - Normal driving	OS01 - Any road	EN04 - Snowfall (degraded view)	SD03 - Normal acceleration		IU01 - Correctly used	Normal driving on any road during snowfall with normal acceleration and correctly used system		DV19 - Sensor detection is wrong		EV04 - Car comes off the road	The driver does not react fast enough to steer the car back to ego lane due to incorrect lane detection	The LKA function mixes up lane lines with edge of road / kerb / pavement	E2 - Low probability	Driving in snowy weather conditions occurs a few times in a year		The car goes off road to the edge of road or mount kerb / pavement or hit pedestrians at normal acceleration	C2 - Normally controllable	the driver can steer the vehicle back to ego lane before the vehicle gets off the road at normal speed	A	The LKA function shall be deactivated if the camera sensor is unable to detect lanes correctly