METRICTIONS:

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Hazard ID	Situational Analysis							Hazard Identification						Hazardous Event Classification						Determination of ASIL and Safety Goals	
	Operational Mode	Operational Scenario	Environmental Details	Situation Datails	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)	AGE. Determination	Safety Goal
HA-001	CBA02 - Normal Driving	OSO4 - Highway	ENOS - Rain (slippery road)	SD02 - High speed		8001 - Correctly used	Normal deliving on a highway during rain (alippery road) with high speed and correctly used system	Lane Departure Warning (LDIN) function shall apply an occlairing stearing torque to provide the driver with haptic fee-chack.	effect is too	The LDW function applies an oscillating torque with very high torque (above limit)	EV00 - Collision with other vehicle	High haptic feedback can affect driver ability to steer as intended. The driver could lose control of the vehicle and collide with another whiche and collide with another whiche or with road infrastructure	The LDW function applies too high an oscillating tongue to the altering tongue to the altering wheel (above limit)	E3 - Medium probability	According to functional safety standard, divining on set load has E3 exposure.	53 - Life-threatening or fatal injuries	According to ISCOBSEC, high speed driving has S3 sevently of potential harm.	C3 - Difficult to control o uncontrollable	The law departure serving function causes the interior pulsed to betthe secarcially with sid selection should be better secarcially with selection of the steering wheel, most drivers will have difficulty controlling the whicle.	c	The contillating stearing largue from the lane departure warning function shall be leaked.
HA-002	CBICG - Normal Driving	OS03 - Country Road	EN01 - Normal conditions		the driver is misualing the lane keeping assistance function as an automnous function	IU02 - Incorrectly used	Normal driving on country roads during normal conditions with high speed and incorrectly seed opsition (the driver is missasing the lane keeping assistance function as autonomous function)	Lane Keeping Assistance (JKA) function shall apply the steering tonque when active in order to stay in ego tane	always	The driver was missaing the function by taking both hands of the wheel and thus the lane keeping assistance function is always activated	EV00 - Collision with other vehicle	as fully autonomous driving by taking both hands off the steering wheel, while LKA only provides limited amount of time of steering torque, then the car could still lose control and collide with other	LKA as fully autonomous driving by taking both hands of If the steering wheel, while LKA only provides limited amount of	probability	The driver is on a country road and misusing the system. That combination probably does not happen often, so it is labeled with exposure \$22 - low probability.	53 - Life-threatening or fatal injuries	According to ISC05050, high speed driving has S3 severity of potential harm.	C3 - Difficult to control o uncontrollable	The malfunction was that the lane keeping assistance was always on and had no lime limb, as of views could take both hands of the wheel. Because hands asset on the wheel at high speeds, a witch accloser would not be controllable. So it is labeled as C3 - difficult to control or uncontrollable.	0	The lame keeping assistance function shall be time limited and the additional steeding forces shall and after a given time or larver in the driver cannot missaic the system for autonomous driving.
HA-023		OSO4 - Highway	END4 - Snowfall (degraded view)	SD02 - High speed		IU01 - Correctly used	Normal driving on a highway during amouthal (signaled view) with high speed and correctly used system	(LDW) function shall apply an oscillating steering forque to provide the driver with haptic feedback	lens	The LDW function applies an oscillating torque with very time forque (below minimum sorque to warn the driver of potential tane departure)	other vehicle	encugh to warm the driver of lane departurs. Without effective warming, car will still depart the intended lane and thus cause collision with other vehicle.	The LDW function applies too low an oxidiating forces to the steering wheel (below minimum torque to warn the criver of potential lane departure)	probability	year for the great majority of ditiens	S3 - Life-threatening or fatal injuries	ISC08080, high speed driving has S3 severity of potential harm.	uncontrollable	If the law departure warning function does not provide enough notaliting trapse to the steering wheel is warn of the steering wheel is warn of the risk of the steering wheel is warn of the time and that have an accident with whicks on their laws and the warning of the steering of the s	0	The oscillating steering brope from the base departme swring function shall be last departme swring function shall be always be above minimum threshold which is enough to swrm the driver of lane departme.
HA-006	C6803 - Normal Driving	OS01 - City Road	ENO4 - Snowfall (degraded view)	SD03 - Low speed		8001 - Correctly used	Normal driving on city coads during normal conditions with low speed and correctly used system	Lane Departure Warning (LDW) function shall apply an occiliating steering torque to provide the driver with haptic feedback	effect is too late	The LDW function applies an oscillating torque too tate (after the car has already-departed a lot from intended lane)	other vehicle	When LDW is applying oscillating steering longe to be to warn the driver of departing law, then the car is already in another lare, and thus cause a collision with other vehicle.	oscillating torque too late to the steering wheel after the car has already departed from		The driver is on a city road and the LDW is too lab. That combination does happen often, so it is labeled with exposure E4-high probability.	inkries	In city halflic, speed o vehicle is especied to be low		Act day speed, most drivers will be able to control the situation by applying brains and sheering to site the car back and stop the car and there is additional illmunitation on city-roads.	αм	The oscillating steering longue from the lane departure varning function shall be always be applied in time when the car starts to depart from intended driving lane.