	Fill out the hazard analy	sis and risk assessr	ment below.																					
	HA-001 should be for the	e lane departure was	ming function as discussed in	the lecture.																				
	HA-002 should be for the	e lane keening assis	tance function as discussed in	the lecture																				
			hazards for the lane assistant		HA-003 and HA-004 ro	MS.																		
	When finished export vi	our somarisheet as	a pdf file so that a reviewer car	n easily see your worl																				
Hazard ID		Situational Analysis						Hazard Identification							Hazardous Event Classification					Determination of ASIL and Safety Goals				
Hazard ID	2010															Hazardous Event Classification Controllability				Determination of ASIL and Safety Goal				
	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)	(of hazardous event)	Rationale (for controllability)	Determinatio n	Safety Goal			
A-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	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	The LDW function applies an oscillating torque with very high torque (above limit).		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.	C3 - Difficult to control or uncontrollable	It is difficult to stay calm and react properly when the steering well is moving too much.	С	The oscillating steering torque from the Lane Departure Warning function shall be limited.			
N-002	OM03 - Normal driving	OS03 - Country Road	EN01 - Normal conditions	SD02 - High speed		1U02 - Incorrectly used		Lane Keeping Assistance (LKA) function shall apply the steering torque when active in order to stay in		Lane Keeping function is always activated	EV00 - Collision with other vehicle	or infrastructure.  Driver use the function as if the car was a self-driving car and loose driving attention.		E2 - Low probability	The combination beween driving at a country road and misusing system should not happen often.		Collitions at high speed could cause fatal injuries.	C3 - Difficult to control or uncontrollable	When the driver lose focus on driving, it is difficult to re-focus in the case of imminent collition.		The Lane Keeping Assistance function shall be time limited, and additional steering torque shall end after a given time interval so the driver cannot misuse the system			r
A-003	OM03 - Normal driving	OS02 - City Road	EN06 - Rain (slippery road)	SD02 - High speed		IU01 - Correctly used	during Rain (slippery road) with high	Lane Departure Warning	Function	The camera sensor stop working and the	with other vehicle	The Lane Departure Warning continue to be activated and start executing random			Driving on a city road with rain could happen between 1% and 10% of the time	or fatal injuries	Collitions at high speed could cause fatal injuries.	C3 - Difficult to control or uncontrollable	When the driver lose focus on driving, it is difficult to re-focus in the case of imminent collition	С	for autonomous driving The Lane Departure Warning function shall be deactivated when the camera sensor stop working.			H
								torque to provide the driver with haptic feedback	activated	Warning function continue to be activated.		torque to the steering wheel making the driver to loose control with potential collition with other vehicle.	camera sensor is not working.		operating the vehicle.		,							
N-004	OM03 - Normal driving	OS04 - Highway	EN01 - Normal conditions	SD02 - High speed		IU01 - Correctly used		(LKA) function shall apply the steering torque when	Function		with other vehicle	Assistance continue to be	The Lane Keeping Assistance start acting randomly when the	E3 - Medium probability	Driving on a highway with rain could happen between 1% and 10% of the time operation the vehicle	or fatal injuries	Collitions at high speed could cause fatal injuries.		When the driver lose focus on driving, it is difficult to re-focus in the case of imminent collision.		The Lane Keeping Assistance function shall be deactivated when the camera sensor stop working.			