Hazard ID			
	Operational Mode	Operational Scenario	Environmental Details
HA-001	OM03 - Normal Driving	OS04 - Highway	EN06 - Rain (slippery ro
HA-002	OM03 - Normal Driving	OS03 - Country Road	EN01 - Normal
HA-003	OM03 - Normal Driving	OS03 - Country Road	EN03 - Fog (degraded
HA-004	OM03 - Normal Driving	OS04 - Highway	EN04 - Snowfall

Situational Analysis			
Situation Details	Other Details (optional)	Item Usage (function)	
SD02 - High speed	-	IU01 - Correctly used	
SD02 - High speed	-	IU02 - Incorrectly	
SD03 - High speed	-	IU01 - Correctly used	
SD02 - High speed	-	IU01 - Correctly used	

Situation Description	Function
Normal driving on a highway during rain	Lane Departure Warning
Normal driving on a country road during	Lane Keeping
Normal driving on a country road with fog at	Lane Keeping
Normal driving on a highway during snowfall	Lane Departure Warning

Deviation
DV04 - Actor effect is too much
DV03 - Function is always activated
DV02 - Function unexpectedly activated
DV02 - Function unexpectedly activated

## **Hazard Identification**

### **Deviation Details**

The Lane Departure Warning function applies an oscillating torque with very strong torque (above limit.)

Lane Keeping function is always activated Lane keeping does not turn on when drive puts on hazards (turn signal not turnctional at this time) to drive on to

The camera sensor stop working and the Lane Keeping Assistance function continue to be activated.

1
Hazardous Event
(resulting effect)
EV00 - Collition with other vehicle.
EV00 - Collition with other vehicle.
EV-05 - Front collision with ahead traffic
EV-04 - Front collision with obstacle

### **Event Details**

If the haptic effect of the lane departure warning is too strong,

The lane keeping assist is not engineered as a self-driving onexpected naptics prevent univer from executing pull-over onexpected/matton/insteenIngranteerlyipiration/insteeningranteerlyipira

Hazardous Event Description	Exposure (of situation)
The Lane Departure Warning function malfunctions	E3 - Medium probability
The user is not using the system as intended and	E2 - Low probability
wailantaorincanteriasubsystenff taases dae	E2 - Low probability
departure warning to trigger off at randma mamorta	E3 - Medium probability

Hazardous Event Classification		
Rationale	Severity	Rationale
(for exposure)	(of potential harm)	(for severity)
Driving on a highway with rain could	S3 - Life-threatening or	Collitions at high speed
Driving on a country road at high	S3 - Life-threatening or	Collitions at high speed
en country roads is not as common		Frontal collision is life-
an angli way tandhiga in sation as very	ુ કુરા કાર્યાં કુરા કુરા કુરા કુરા કુરા કુરા કુરા કુરા	Frontal collision is life-

		Determi
Controllability	Rationale	ASIL
(of hazardous event)	(for controllability)	Determination
C3 - Difficult to control or	It is difficult to stay calm and react properly when an	С
C3 - Difficult to control or	While using the system as a self-driving feature, the	В
C3 - Difficult to control or	The unexpected torque applied by the driver	В
C1 - Simply controllable	maiptics vioration is a refront strong that the elasing	A

# nation of ASIL and Safety Goals

# **Safety Goal**

The oscillating steering torque from the

The Lane Keeping Assistance function shall the lane assistance system shall turn on Then the warming reach the common account has a f