Exterior Light System

ELS	CarSystem001	CarSystem002	CarSystem003	CarSystem004	CarSystem005	CarSystem006	CarSystem007	CarSystem008	CarSystem009
Direction Blinking									
ELS-1	Blink: r_RunDirectionBlinking, r_CompleteFlashingCycle								
ELS-2	Blink: r_CompleteFlashingCycle								
ELS-3	Blink: r_DirectionBlinking								
ELS-4	Blink: r_CompleteFlashingCycle								
ELS-5	Blink: r_RunDirectionBlinking, r_CompleteFlashingCycle								
ELS-6	Blink:r_BlinkLeft, r_BlinkRight								
ELS-7	Blink: r_DirectionBlinking								
Hazard Warning									
ELS-8	HW: r_AdaptHazardWarningPulseRatio, r_StartHazardWarning								
ELS-9	HW: r_AdaptHazardWarningPulseRatio								
ELS-10									
ELS-11	HW: r_HazardWarningLight								
ELS-12	HW: r_SavePitmanArmUpDownReq								
ELS-13	HW: r_SavePitmanArmUpDownReq								
Low Beam Headlights Cornering Light									
ELS-14		LowBeam: r_LowBeamHeadlights							
ELS-15		LowBeam: r_LowBeamHeadlights							
ELS-16		LowBeam: r_LowBeamHeadlights							
ELS-17		LowBeam: r_LowBeamHeadlights							
ELS-18		LowBeam: r_LowBeamHeadlights							
ELS-19		LowBeam: r_LowBeamHeadlights							
~~ELS-20~~									
ELS-21		LowBeam: ambientLightingAvailable							
ELS-22		LowBeam: r_LowBeamTailLampOnOff							
ELS-23		LowBeam: tailLampLeft, tailLampRight							
ELS-24		Cornering: r_CorneringLightsOn. r_CorneringLights							
ELS-25		Cornering: r_CorneringLights							
ELS-26		Cornering: r_CorneringLights							
ELS-27		Cornering: r_CorneringLights							
ELS-28		LowBeam: r_parkingLight, r_LowBeamHeadlights							
ELS-29		LowBeam: r_LowBeamHeadlights							
Manual Hight Beam Headlights									
ELS-30			HighBeam: r_Manual_high_beam_headlights						
ELS-31			HighBeam: r_Manual_high_beam_headlights						
Adaptive High Beam Headlights									

ID							
ELS-32			HighBeam: adaptiveHighBeamActivated				
ELS-33			HighBeam: r_Execute_HBH, r_IncreasingPlan_HBH, r_Monitor_Analyze_HBH				
ELS-34			HighBeam: r_DecreasingPlan_HBH, r_Monitor_Analyze_HBH				
ELS-35			HighBeam: r_Monitor_Analyze_HBH				
ELS-36			HighBeam: lightIlluminationDistance				
ELS-37			HighBeam: calculateSpeed				
ELS-38			HighBeam: adaptiveHighBeamDeactivated				

Emergency Brake Light

ID							
ELS-39		EmergencyBrakeLights: r_EmergencyBrakeLights					
ELS-40		EmergencyBrakeLights: r_EmergencyBrakeLights					

Reverse Light

ID							
ELS-41		Cornering: r_ReverseLight					

Fault Handling

ID							
ELS-42			HighBeam: adaptiveHighBeamActivated				
ELS-43			HighBeam: adaptiveHighBeamDeactivated				
ELS-44			LowBeam: ambientLightingAvailable				
ELS-45			CorneringLights: r_CorneringLights				
ELS-46			LowBeam: r_parkingLight				
ELS-47			Functions: setOverVoltageValueLight, setOverVoltageValueHighBeam				
ELS-48							
ELS-49			HighBeam: adaptiveHighBeamDeactivated				

Setting and modifying desired speed

ID							
SCS-1				DesiredSpeedCruiseC: r_SetModifySpeed			
SCS-2				DesiredSpeedCruiseC: r_SCSLeverForward			
SCS-3				DesiredSpeedCruiseC: r_SCSLeverForward			
SCS-4				DesiredSpeedCruiseC: r_setDesiredSpeed			
SCS-5				DesiredSpeedCruiseC: r_setDesiredSpeed			
SCS-6				DesiredSpeedCruiseC: r_setDesiredSpeed			
SCS-7				DesiredSpeedCruiseC: r_setVehicleSpeedLongLeverPress			
SCS-8				DesiredSpeedCruiseC: r_setVehicleSpeedLongLeverPress			
SCS-9				DesiredSpeedCruiseC: r_setVehicleSpeedLongLeverPress			
SCS-10				DesiredSpeedCruiseC: r_setVehicleSpeedLongLeverPress			
SCS-11				DesiredSpeedCruiseC: r_SetModifySpeed			
SCS-12				DesiredSpeedCruiseC: r_setDesiredSpeed			

Cruise Control

ID							
SCS-13				Nothing to model			
SCS-14				Nothing to model			
SCS-15				DesiredSpeedCruiseC: r_DesiredSpeedVehicleSpeed			
SCS-16				DesiredSpeedCruiseC: r_BrakePedal			
SCS-17				DesiredSpeedCruiseC: r_setDesiredSpeed			

Adaptive Cruise Control

Speed Control System	SCS-18							AdaptiveCruiseC:	
	SCS-19							AdaptiveCruiseC:	
	SCS-20							AdaptiveCruiseC: r_Monitor_Analyze_CC	
	SCS-21							AdaptiveCruiseC: r_CollisionDetection	
	SCS-22							AdaptiveCruiseC: r_Monitor_Analyze_CC	
	SCS-23							AdaptiveCruiseC: r_CalculateSafetyDistancePlan_CC, r_Monitor_Analyze_CC	
	SCS-24							AdaptiveCruiseC: r_SafetyDistanceByUser	
	Distance Warning								
	SCS-25							AdaptiveCruiseC: r_Monitor_Analyze_CC	
	SCS-26							AdaptiveCruiseC: r_Monitor_Analyze_CC	
	Emergency Brake Assistant								
	SCS-27							EmergencyBrakeSpeed: r_EmergencyBrakeSpeed	
	SCS-28							EmergencyBrakeSpeed: r_activateEmergencyBrake	
	Speed Limit								
	SCS-29						SpeedLimitTrafficDet: r_SpeedLimit		
	SCS-30						SpeedLimitTrafficDet: r_SpeedLimit		
	SCS-31						SpeedLimitTrafficDet: r_SpeedLimit		
	SCS-32						SpeedLimitTrafficDet: r_SpeedLimit		
	SCS-33						SpeedLimitTrafficDet: r_SpeedLimit		
	SCS-34						SpeedLimitTrafficDet: r_SpeedLimit		
	SCS-35						SpeedLimitTrafficDet: r_SpeedLimit		
	Traffic Sign Detection								
	SCS-36						SpeedLimitTrafficDet: r_SpeedLimit		
	SCS-37						SpeedLimitTrafficDet: r_SpeedLimit		
	SCS-38						SpeedLimitTrafficDet: r_SpeedLimit		
	SCS-39						SpeedLimitTrafficDet: r_SpeedLimit		
	Fault Handling and General Properties								
	SCS-40							We have used a monitored function to read the camera state	
	SCS-41							Already included in conditions in CarSystem004HighBeam	
	SCS-42							DesiredSpeedCruiseC: r_BrakePedal	
	SCS-43							EmergencyBrakeLights: r_EmergencyBrakeLights	