ADSL_L3-1

configure

road status fluid

road type city

driving l3

```
[ L3_CityChauffer ] Starting the driving function ...
[ L3_CityChauffer ] Current Speed: 0 Km/h
[ L3_CityChauffer ] Accelerating (aggressive) to get the reference speeed of 40 Km/h
```

```
road type off-road
```

```
n
```

```
[ L3_CityChauffer ] Cannot drive in L3 Autonomy level ...
##            DriverDisplay_VisualText ## Cannot drive in L3 Autonomy level ... Changing to L2 level.
##               Speakers_AuditoryBeep ## ðŸ””
##       SteeringWheel_HapticVibration ## ã€°ï¸
##            DriverDisplay_VisualIcon ## âš ï¸
##          DriverSeat_HapticVibration ## ã€°ï¸
[ L3_CityChauffer ] Ending the driving function ...
[ L2_AdaptiveCruiseControl ] Starting the driving function ...
[ L2_AdaptiveCruiseControl ] Monitoring driving parameters. Nothing to warn ...
```

ADS_L3-2

configure

road status fluid

road type highway

driving l3

```
[ L3_HighwayChauffer ] Starting the driving function ...
[ L3_HighwayChauffer ] Current Speed: 0 Km/h
[ L3_HighwayChauffer ] Accelerating (aggressive) to get the reference speeed of 120 Km/h
```

road status jam

n

```
[ L3_HighwayChauffer ] Cannot drive in L3 Highway ...
##            DriverDisplay_VisualText ## Cannot drive in L3 Highway ... Changing to L3 Traffic Jam
Chauffer.
##               Speakers_AuditoryBeep ## ðŸ””
##       SteeringWheel_HapticVibration ## ã€°ï¸
##            DriverDisplay_VisualIcon ## âš ï¸
##          DriverSeat_HapticVibration ## ã€°ï¸
[ L3_HighwayChauffer ] Ending the driving function ...
[ L3_TrafficJamChauffer ] Starting the driving function ...
[ L3_TrafficJamChauffer ] Changing to Park in the Road Fallback plan.
[ L3_TrafficJamChauffer ] Current Speed: 22 Km/h
[ L3_TrafficJamChauffer ] Accelerating (aggressive) to get the reference speeed of 60 Km/h
[ L3_TrafficJamChauffer ] Current Speed: 36 Km/h
[ L3_TrafficJamChauffer ] Accelerating (high) to get the reference speeed of 60 Km/h
```

ADS_L3-3

configure

road status fluid

road type highway

driving l3

```
[ L3_HighwayChauffer ] Starting the driving function ...
[ L3_HighwayChauffer ] Current Speed: 0 Km/h
[ L3_HighwayChauffer ] Accelerating (aggressive) to get the reference speeed of 120 Km/h
```

road type city

n

```
[ L3_HighwayChauffer ] Changing to L3 City Chauffer...
##            DriverDisplay_VisualText ## Changing to L3 City Chauffer...
##               Speakers_AuditoryBeep ## ðŸ””
##       SteeringWheel_HapticVibration ## ã€°ï¸
##            DriverDisplay_VisualIcon ## âš ï¸
##          DriverSeat_HapticVibration ## ã€°ï¸
[ L3_HighwayChauffer ] Ending the driving function ...
[ L3_CityChauffer ] Starting the driving function ...
[ L3_CityChauffer ] Current Speed: 22 Km/h
[ L3_CityChauffer ] Accelerating (high) to get the reference speeed of 40 Km/h
[ L3_CityChauffer ] Current Speed: 27 Km/h
[ L3_CityChauffer ] Accelerating (medium) to get the reference speeed of 40 Km/h
```

ADS_L3-4-1

configure

road status jam

road type highway

driving l3

```
[ L3_TrafficJamChauffer ] Starting the driving function ...
[ L3_TrafficJamChauffer ] Changing to Park in the Road Fallback plan.
[ L3_TrafficJamChauffer ] Current Speed: 0 Km/h
[ L3_TrafficJamChauffer ] Accelerating (aggressive) to get the reference speeed of 60 Km/h
```

road status fluid

n

```
[ L3_TrafficJamChauffer ] Changing from L3 Traffic Jam Chauffer to Highway chauffer...
##               Speakers_AuditoryBeep ## ðŸ””
##       SteeringWheel_HapticVibration ## ã€°ï¸
##            DriverDisplay_VisualText ## Changing from L3 Traffic Jam Chauffer to Highway
chauffer...
##          DriverSeat_HapticVibration ## ã€°ï¸
[ L3_TrafficJamChauffer ] Ending the driving function ...
[ L3_HighwayChauffer ] Starting the driving function ...
[ L3_HighwayChauffer ] Current Speed: 13 Km/h
[ L3_HighwayChauffer ] Accelerating (aggressive) to get the reference speeed of 120 Km/h
```

ADS_L3-4-2

configure

road status jam

road type highway

driving l3

```
[ L3_TrafficJamChauffer ] Starting the driving function ...
[ L3_TrafficJamChauffer ] Changing to Park in the Road Fallback plan.
[ L3_TrafficJamChauffer ] Current Speed: 0 Km/h
[ L3_TrafficJamChauffer ] Accelerating (aggressive) to get the reference speeed of 60 Km/h
```

road type city

n

```
[ L3_TrafficJamChauffer ] Changing to L3 City Chauffer...
##               Speakers_AuditoryBeep ## ðŸ””
##       SteeringWheel_HapticVibration ## ã€°ï¸
##            DriverDisplay_VisualText ## Changing to L3 City Chauffer...
##          DriverSeat_HapticVibration ## ã€°ï¸
[ L3_TrafficJamChauffer ] Ending the driving function ...
[ L3_CityChauffer ] Starting the driving function ...
[ L3_CityChauffer ] Current Speed: 13 Km/h
[ L3_CityChauffer ] Accelerating (high) to get the reference speeed of 40 Km/h
[ L3_CityChauffer ] Current Speed: 18 Km/h
[ L3_CityChauffer ] Accelerating (high) to get the reference speeed of 40 Km/h
```

ADS_L3-5

configure

Caso 1: road status fluid

Caso 2: road status jam

road type city

driving l3

```
[ L3_CityChauffer ] Starting the driving function ...
[ L3_CityChauffer ] Current Speed: 0 Km/h
[ L3_CityChauffer ] Accelerating (aggressive) to get the reference speeed of 40 Km/h
```

Caso 1:

```
[ L3_CityChauffer ] Changing to Highway Chauffer.
##            DriverDisplay_VisualText ## Changing to Highway Chauffer.
##               Speakers_AuditoryBeep ## ðŸ””
##       SteeringWheel_HapticVibration ## ã€°ï¸
##            DriverDisplay_VisualIcon ## âš ï¸
##          DriverSeat_HapticVibration ## ã€°ï¸
[ L3_CityChauffer ] Ending the driving function ...
[ L3_HighwayChauffer ] Starting the driving function ...
[ L3_HighwayChauffer ] Current Speed: 6 Km/h
[ L3_HighwayChauffer ] Accelerating (aggressive) to get the reference speeed of 120 Km/h
```

Caso 2:

```
[ L3_CityChauffer ] Changing to Traffic Jam Chauffer.
##            DriverDisplay_VisualText ## Changing to Traffic Jam Chauffer.
##               Speakers_AuditoryBeep ## ðŸ””
##       SteeringWheel_HapticVibration ## ã€°ï¸
##            DriverDisplay_VisualIcon ## âš ï¸
##          DriverSeat_HapticVibration ## ã€°ï¸
[ L3_CityChauffer ] Ending the driving function ...
[ L3_TrafficJamChauffer ] Starting the driving function ...
[ L3_TrafficJamChauffer ] Changing to Park in the Road Fallback plan.
[ L3_TrafficJamChauffer ] Current Speed: 6 Km/h
[ L3_TrafficJamChauffer ] Accelerating (aggressive) to get the reference speeed of 60 Km/h
```

ADS_L3-6

Caso 1: se rompe sensor de distancia y LIDAR operativo

configure

road status fluid

road type city

driving l3

working distance false

show

```
- - - - - - - - - - - - - - - - - - - - - - - -
|                   DRIVER
 - - - - - - - - - - - - - - - - - - - - - - -
| Hands on Wheel: true
|    Driver Face: LOOKING_FORWARD
|    Driver Seat: true
|   Copilot Seat: false
|        Working: true
 - - - - - - - - - - - - - - - - - - - - - - -

 - - - - - - - - - - - - - - - - - - - - - - -
|                  ROAD INFO
 - - - - - - - - - - - - - - - - - - - - - - -
|      Road Type: CITY
|    Road Status: FLUID
|        Working: true
 - - - - - - - - - - - - - - - - - - - - - - -

 - - - - - - - - - - - - - - - - - - - - - - -
|                  CAR INFO
 - - - - - - - - - - - - - - - - - - - - - - -
|         Speed: 6 Km/h
|        Engine: 850 rpm
|     Steering: 0 Â°
|  - - - - - - - - - - - - - - - - - - - - - -
|  DRIVING SERVICE
|     L3_CityChauffer
|                 Fallback plan:
sua.autonomouscar.driving.emergencyfallbackplan.EmergencyFallbackPlan
|                       Working: true
|       Notification mechanisms: DriverDisplay_VisualText, Speakers_AuditoryBeep,
SteeringWheel_HapticVibration, DriverDisplay_VisualIcon, DriverSeat_HapticVibration,
|                Reference Speed: 40 Km/h
|     Longit. Security Distance: 3000 cms
|     Lateral Security Distance: 100 cms
|  - - - - - - - - - - - - - - - - - - - - - -
|  DISTANCES
|     Front: â^ž cms
|      Rear: â^ž cms
|     Right: â^ž cms
|      Left: â^ž cms
|     Working: false
|  - - - - - - - - - - - - - - - - - - - - - -
```

```
|  LIDAR
|      Front: â^ž cms
|       Rear: â^ž cms
|      Right: â^ž cms
|       Left: â^ž cms
|      Working: true
|  - - - - - - - - - - - - - - - - - - - -
|  LINE SENSORS
|      Right: false
|       Left: false
|      Working: true
 - - - - - - - - - - - - - - - - - - - - -

n

[ L3_CityChauffer ] Replacing distance sensors by LIDAR...
##            DriverDisplay_VisualText ## Replacing distance sensors by LIDAR...
##               Speakers_AuditoryBeep ## ðŸ””
##       SteeringWheel_HapticVibration ## ã€°ï¸
##            DriverDisplay_VisualIcon ## âš ï¸
##          DriverSeat_HapticVibration ## ã€°ï¸
```

Caso 2: se rompe sensor de distancia y LIDAR NO operativo

Al caso anterior, añadimos la siguiente instrucción:

working lidar false

show

```
- - - - - - - - - - - - - - - - - - - - -
|                   DRIVER
 - - - - - - - - - - - - - - - - - - - - -
| Hands on Wheel: true
|    Driver Face: LOOKING_FORWARD
|    Driver Seat: true
|   Copilot Seat: false
|        Working: true
 - - - - - - - - - - - - - - - - - - - - -

 - - - - - - - - - - - - - - - - - - - - -
|                  ROAD INFO
 - - - - - - - - - - - - - - - - - - - - -
|      Road Type: CITY
|    Road Status: FLUID
|        Working: true
 - - - - - - - - - - - - - - - - - - - - -

 - - - - - - - - - - - - - - - - - - - - -
|                  CAR INFO
 - - - - - - - - - - - - - - - - - - - - -
|        Speed: 6 Km/h
|       Engine: 850 rpm
|     Steering: 0 Âº
|  - - - - - - - - - - - - - - - - - - - -
|  DRIVING SERVICE
|      L3_CityChauffer
|                  Fallback plan:
sua.autonomouscar.driving.emergencyfallbackplan.EmergencyFallbackPlan
```

```
|                       Working: true
|       Notification mechanisms: DriverDisplay_VisualText, Speakers_AuditoryBeep,
SteeringWheel_HapticVibration, DriverDisplay_VisualIcon, DriverSeat_HapticVibration,
|               Reference Speed: 40 Km/h
|     Longit. Security Distance: 3000 cms
|     Lateral Security Distance: 100 cms
|  - - - - - - - - - - - - - - - - - - - - -
|  DISTANCES
|     Front: â^ž cms
|      Rear: â^ž cms
|     Right: â^ž cms
|      Left: â^ž cms
|     Working: false
|  - - - - - - - - - - - - - - - - - - - - -
|  LIDAR
|     Front: â^ž cms
|      Rear: â^ž cms
|     Right: â^ž cms
|      Left: â^ž cms
|     Working: false
|  - - - - - - - - - - - - - - - - - - - - -
|  LINE SENSORS
|     Right: false
|      Left: false
|     Working: true
 - - - - - - - - - - - - - - - - - - - - - -

N

[ L3_CityChauffer ] Take over due to a fail in distance sensor ...
##            DriverDisplay_VisualText ## Take over due to a fail in distance sensor ...
##               Speakers_AuditoryBeep ## ðŸ””
##       SteeringWheel_HapticVibration ## ã€°ï¸
##            DriverDisplay_VisualIcon ## âš ï¸
##          DriverSeat_HapticVibration ## ã€°ï¸
[ L3_CityChauffer ] Ending the driving function ...
##            DriverDisplay_VisualText ## Exited Autonomous Mode
##               Speakers_AuditoryBeep ## ðŸ””
##       SteeringWheel_HapticVibration ## ã€°ï¸
##            DriverDisplay_VisualIcon ## âš ï¸
##          DriverSeat_HapticVibration ## ã€°ï¸
```

Caso 3: se rompe sensor de monitorizar conductor – Se pasa a L2 (no necesita este sensor)

configure

road status fluid

road type city

driving l3

working human false

show

```
|                   DRIVER
 - - - - - - - - - - - - - - - - - - - - - - - - -
| Hands on Wheel: true
|    Driver Face: LOOKING_FORWARD
|    Driver Seat: true
|   Copilot Seat: false
|        Working: false
 - - - - - - - - - - - - - - - - - - - - - - - - -

 - - - - - - - - - - - - - - - - - - - - - - - - -
|                  ROAD INFO
 - - - - - - - - - - - - - - - - - - - - - - - - -
|      Road Type: CITY
|    Road Status: FLUID
|        Working: true
 - - - - - - - - - - - - - - - - - - - - - - - - -

 - - - - - - - - - - - - - - - - - - - - - - - - -
|                  CAR INFO
 - - - - - - - - - - - - - - - - - - - - - - - - -
|        Speed: 6 Km/h
|       Engine: 850 rpm
|     Steering: 0 Â°
|  - - - - - - - - - - - - - - - - - - - - - - -
|  DRIVING SERVICE
|     L3_CityChauffer
|                 Fallback plan:
sua.autonomouscar.driving.emergencyfallbackplan.EmergencyFallbackPlan
|                       Working: true
|       Notification mechanisms: DriverDisplay_VisualText, Speakers_AuditoryBeep,
SteeringWheel_HapticVibration, DriverDisplay_VisualIcon, DriverSeat_HapticVibration,
|               Reference Speed: 40 Km/h
|     Longit. Security Distance: 3000 cms
|     Lateral Security Distance: 100 cms
|  - - - - - - - - - - - - - - - - - - - - - - -
|  DISTANCES
|     Front: â^ž cms
|      Rear: â^ž cms
|     Right: â^ž cms
|      Left: â^ž cms
|     Working: true
|  - - - - - - - - - - - - - - - - - - - - - - -
|  LIDAR
|     Front: â^ž cms
|      Rear: â^ž cms
|     Right: â^ž cms
|      Left: â^ž cms
|     Working: true
|  - - - - - - - - - - - - - - - - - - - - - - -
|  LINE SENSORS
|     Right: false
|      Left: false
|     Working: true
 - - - - - - - - - - - - - - - - - - - - - - - - -
```

n

```
[ L3_CityChauffer ] Changing to L2 Driving due to a fail in human sensors ...
##            DriverDisplay_VisualText ## Changing to L2 Driving due to a fail in human sensors ...
##               Speakers_AuditoryBeep ## ðŸ””
##       SteeringWheel_HapticVibration ## ã€°ï¸
##            DriverDisplay_VisualIcon ## âš ï¸
##          DriverSeat_HapticVibration ## ã€°ï¸
[ L3_CityChauffer ] Ending the driving function ...
[ L2_AdaptiveCruiseControl ] Starting the driving function ...
[ L2_AdaptiveCruiseControl ] Monitoring driving parameters. Nothing to warn ...
```

Caso 4: se rompe sensor de Carretera y conductor no atento

configure

road status fluid

road type city

driving l3

working road false

driver face distracted

n

```
[ L3_CityChauffer ] Activating the Fallback Plan due to a fail in road sensor ...
[ L3_CityChauffer ] Ending the driving function ...
[ EmergencyFallbackPlan ] Starting the driving function ...
[ EmergencyFallbackPlan ] Decelerating (medium) ...
```

ADS_L3-7

Caso 1: se emplea preferentemente el plan de aparcar en cuneta

configure

road status fluid

road type highway

driving l3

show

```
|                    DRIVER
 - - - - - - - - - - - - - - - - - - - - - - - -
| Hands on Wheel: true
|    Driver Face: LOOKING_FORWARD
|    Driver Seat: true
|   Copilot Seat: false
|        Working: true
 - - - - - - - - - - - - - - - - - - - - - - - -

 - - - - - - - - - - - - - - - - - - - - - - - -
|                  ROAD INFO
 - - - - - - - - - - - - - - - - - - - - - - - -
|      Road Type: HIGHWAY
|    Road Status: FLUID
|        Working: true
 - - - - - - - - - - - - - - - - - - - - - - - -

 - - - - - - - - - - - - - - - - - - - - - - - -
|                  CAR INFO
 - - - - - - - - - - - - - - - - - - - - - - - -
|        Speed: 22 Km/h
|       Engine: 1200 rpm
|     Steering: 0 Â°
|  - - - - - - - - - - - - - - - - - - - - - -
|  DRIVING SERVICE
|     L3_HighwayChauffer
|                 Fallback plan:
sua.autonomouscar.driving.parkintheroadshoulderfallbackplan.ParkInTheRoadShoulderFallbackPlan
|                       Working: true
|       Notification mechanisms: DriverDisplay_VisualText, Speakers_AuditoryBeep,
SteeringWheel_HapticVibration, DriverDisplay_VisualIcon, DriverSeat_HapticVibration,
|               Reference Speed: 120 Km/h
|     Longit. Security Distance: 12000 cms
|     Lateral Security Distance: 200 cms
|  - - - - - - - - - - - - - - - - - - - - - -
|  DISTANCES
|     Front: â^ž cms
|      Rear: â^ž cms
|     Right: â^ž cms
|      Left: â^ž cms
|     Working: true
|  - - - - - - - - - - - - - - - - - - - - - -
|  LIDAR
|     Front: â^ž cms
|      Rear: â^ž cms
```

```
|      Right: â^ž cms
|       Left: â^ž cms
|      Working: true
|  - - - - - - - - - - - - - - - - - - - - -
|  LINE SENSORS
|      Right: false
|       Left: false
|      Working: true
 - - - - - - - - - - - - - - - - - - - - - - -
```

Caso 2: en ciudad, se emplea plan de emergencia (no hay arcén)

configure

road status fluid

road type city

driving l3

show

```
- - - - - - - - - - - - - - - - - - - - - - -
|                    DRIVER
 - - - - - - - - - - - - - - - - - - - - - - -
| Hands on Wheel: true
|    Driver Face: LOOKING_FORWARD
|    Driver Seat: true
|   Copilot Seat: false
|        Working: true
 - - - - - - - - - - - - - - - - - - - - - - -

 - - - - - - - - - - - - - - - - - - - - - - -
|                  ROAD INFO
 - - - - - - - - - - - - - - - - - - - - - - -
|      Road Type: CITY
|    Road Status: FLUID
|        Working: true
 - - - - - - - - - - - - - - - - - - - - - - -

 - - - - - - - - - - - - - - - - - - - - - - -
|                  CAR INFO
 - - - - - - - - - - - - - - - - - - - - - - -
|        Speed: 6 Km/h
|       Engine: 850 rpm
|     Steering: 0 Âº
|  - - - - - - - - - - - - - - - - - - - - - -
|  DRIVING SERVICE
|      L3_CityChauffer
|                 Fallback plan:
sua.autonomouscar.driving.emergencyfallbackplan.EmergencyFallbackPlan
|                       Working: true
|       Notification mechanisms: DriverDisplay_VisualText, Speakers_AuditoryBeep,
SteeringWheel_HapticVibration, DriverDisplay_VisualIcon, DriverSeat_HapticVibration,
|               Reference Speed: 40 Km/h
|      Longit. Security Distance: 3000 cms
|      Lateral Security Distance: 100 cms
|  - - - - - - - - - - - - - - - - - - - - - -
|  DISTANCES
|      Front: â^ž cms
```

```
|      Rear: â^ž cms
|     Right: â^ž cms
|      Left: â^ž cms
|     Working: true
|  - - - - - - - - - - - - - - - - - - - -
|  LIDAR
|     Front: â^ž cms
|      Rear: â^ž cms
|     Right: â^ž cms
|      Left: â^ž cms
|     Working: true
|  - - - - - - - - - - - - - - - - - - - -
|  LINE SENSORS
|     Right: false
|      Left: false
|     Working: true
 - - - - - - - - - - - - - - - - - - - - -
```

ADS-1

Se pasa de emplear el LIDAR a emplear sensores de distancia dedicados.

configure

road status fluid

road type city

driving l3

working distance false

n

```
[ L3_CityChauffer ] Replacing distance sensors by LIDAR...
##            DriverDisplay_VisualText ## Replacing distance sensors by LIDAR...
##               Speakers_AuditoryBeep ## ðŸ””
##       SteeringWheel_HapticVibration ## ã€°ï¸
##            DriverDisplay_VisualIcon ## âš ï¸
##          DriverSeat_HapticVibration ## ã€°ï¸
```

Working distance true

n

```
[ L3_CityChauffer ] Replacing LIDAR by Distance sensor.
[ L3_CityChauffer ] Current Speed: 6 Km/h
[ L3_CityChauffer ] Accelerating (aggressive) to get the reference speeed of 40 Km/h
```

ADS-2

configure

road status fluid

road type city

driving l3

```
[ L3_CityChauffer ] Starting the driving function ...
[ L3_CityChauffer ] Current Speed: 0 Km/h
[ L3_CityChauffer ] Accelerating (aggressive) to get the reference speeed of 40 Km/h
```

working general false

show

```
- - - - - - - - - - - - - - - - - - - - - - - - -
|                   DRIVER
 - - - - - - - - - - - - - - - - - - - - - - - - -
| Hands on Wheel: true
|    Driver Face: LOOKING_FORWARD
|    Driver Seat: true
|   Copilot Seat: false
|        Working: true
 - - - - - - - - - - - - - - - - - - - - - - - - -

 - - - - - - - - - - - - - - - - - - - - - - - - -
|                 ROAD INFO
 - - - - - - - - - - - - - - - - - - - - - - - - -
|      Road Type: CITY
|    Road Status: FLUID
|        Working: true
 - - - - - - - - - - - - - - - - - - - - - - - - -

 - - - - - - - - - - - - - - - - - - - - - - - - -
|                 CAR INFO
 - - - - - - - - - - - - - - - - - - - - - - - - -
|        Speed: 6 Km/h
|       Engine: 850 rpm
|     Steering: 0 Â°
|  - - - - - - - - - - - - - - - - - - - - - - - -
|  DRIVING SERVICE
|     L3_CityChauffer
|                 Fallback plan:
sua.autonomouscar.driving.emergencyfallbackplan.EmergencyFallbackPlan
|                      Working: false
|       Notification mechanisms: DriverDisplay_VisualText, Speakers_AuditoryBeep,
SteeringWheel_HapticVibration, DriverDisplay_VisualIcon, DriverSeat_HapticVibration,
|               Reference Speed: 40 Km/h
|     Longit. Security Distance: 3000 cms
|     Lateral Security Distance: 100 cms
|  - - - - - - - - - - - - - - - - - - - - - - - -
|  DISTANCES
|     Front: â^ž cms
|      Rear: â^ž cms
|     Right: â^ž cms
|      Left: â^ž cms
|     Working: true
|  - - - - - - - - - - - - - - - - - - - - - - - -
```

```
|  LIDAR
|      Front: âˆž cms
|       Rear: âˆž cms
|      Right: âˆž cms
|       Left: âˆž cms
|      Working: true
|  - - - - - - - - - - - - - - - - - - - - -
|  LINE SENSORS
|      Right: false
|       Left: false
|      Working: true
 - - - - - - - - - - - - - - - - - - - - - -

N

[ L3_CityChauffer ] General fail. Changing to manual driving...
##            DriverDisplay_VisualText ## General fail. Changing to manual driving...
##               Speakers_AuditoryBeep ## ðŸ””
##       SteeringWheel_HapticVibration ## ã€°ï¸
##            DriverDisplay_VisualIcon ## âš ï¸
##          DriverSeat_HapticVibration ## ã€°ï¸
[ L3_CityChauffer ] Ending the driving function ...
[ L0_ManualDriving ] Starting the driving function ...
```

INTERACT-1

configure

road status fluid

road type city

driving l3

show

```
- - - - - - - - - - - - - - - - - - - - - - - - -
|                   DRIVER
 - - - - - - - - - - - - - - - - - - - - - - - - -
| Hands on Wheel: true
|    Driver Face: LOOKING_FORWARD
|    Driver Seat: true
|   Copilot Seat: false
|        Working: true
 - - - - - - - - - - - - - - - - - - - - - - - - -

 - - - - - - - - - - - - - - - - - - - - - - - - -
|                  ROAD INFO
 - - - - - - - - - - - - - - - - - - - - - - - - -
|      Road Type: CITY
|    Road Status: FLUID
|        Working: true
 - - - - - - - - - - - - - - - - - - - - - - - - -

 - - - - - - - - - - - - - - - - - - - - - - - - -
|                  CAR INFO
 - - - - - - - - - - - - - - - - - - - - - - - - -
|        Speed: 6 Km/h
|       Engine: 850 rpm
|     Steering: 0 Â°
|  - - - - - - - - - - - - - - - - - - - - - - - -
|  DRIVING SERVICE
|     L3_CityChauffer
|                 Fallback plan:
sua.autonomouscar.driving.emergencyfallbackplan.EmergencyFallbackPlan
|                       Working: true
|       Notification mechanisms: DriverDisplay_VisualText, Speakers_AuditoryBeep,
SteeringWheel_HapticVibration, DriverDisplay_VisualIcon, DriverSeat_HapticVibration,
|                Reference Speed: 40 Km/h
|     Longit. Security Distance: 3000 cms
|     Lateral Security Distance: 100 cms
|  - - - - - - - - - - - - - - - - - - - - - - - -
|  DISTANCES
|     Front: â^ž cms
|      Rear: â^ž cms
|     Right: â^ž cms
|      Left: â^ž cms
|     Working: true
|  - - - - - - - - - - - - - - - - - - - - - - - -
|  LIDAR
|     Front: â^ž cms
|      Rear: â^ž cms
|     Right: â^ž cms
|      Left: â^ž cms
```

```
|      Working: true
|  - - - - - - - - - - - - - - - - - - - - -
|  LINE SENSORS
|      Right: false
|       Left: false
|      Working: true
 - - - - - - - - - - - - - - - - - - - - - -

driver face sleeping

n

[ L3_CityChauffer ] Current Speed: 6 Km/h
[ L3_CityChauffer ] Accelerating (aggressive) to get the reference speeed of 40 Km/h
##              Speakers_AuditorySound ##  [TextToSpeech] Please, WAKE UP! ... and look forward!
##       SteeringWheel_HapticVibration ## ã€°ï¸
##            DriverDisplay_VisualIcon ## âš ï¸
##          DriverSeat_HapticVibration ## ã€°ï¸

show

- - - - - - - - - - - - - - - - - - - - - - -
|                    DRIVER
 - - - - - - - - - - - - - - - - - - - - - - -
| Hands on Wheel: true
|    Driver Face: SLEEPING
|    Driver Seat: true
|   Copilot Seat: false
|        Working: true
 - - - - - - - - - - - - - - - - - - - - - - -

 - - - - - - - - - - - - - - - - - - - - - - -
|                  ROAD INFO
 - - - - - - - - - - - - - - - - - - - - - - -
|      Road Type: CITY
|    Road Status: FLUID
|        Working: true
 - - - - - - - - - - - - - - - - - - - - - - -

 - - - - - - - - - - - - - - - - - - - - - - -
|                  CAR INFO
 - - - - - - - - - - - - - - - - - - - - - - -
|        Speed: 13 Km/h
|       Engine: 1000 rpm
|      Steering: 0 Âº
|  - - - - - - - - - - - - - - - - - - - - - -
|  DRIVING SERVICE
|      L3_CityChauffer
|                 Fallback plan:
sua.autonomouscar.driving.emergencyfallbackplan.EmergencyFallbackPlan
|                       Working: true
|       Notification mechanisms: Speakers_AuditorySound, SteeringWheel_HapticVibration,
DriverDisplay_VisualIcon, DriverSeat_HapticVibration,
|               Reference Speed: 40 Km/h
|      Longit. Security Distance: 3000 cms
|      Lateral Security Distance: 100 cms
|  - - - - - - - - - - - - - - - - - - - - - -
|  DISTANCES
|      Front: âˆž cms
|       Rear: âˆž cms
```

```
|      Right: â^ž cms
|       Left: â^ž cms
|      Working: true
|  - - - - - - - - - - - - - - - - - - - -
|  LIDAR
|      Front: â^ž cms
|       Rear: â^ž cms
|      Right: â^ž cms
|       Left: â^ž cms
|      Working: true
|  - - - - - - - - - - - - - - - - - - - -
|  LINE SENSORS
|      Right: false
|       Left: false
|      Working: true
 - - - - - - - - - - - - - - - - - - - - -
```

INTERACT-2

configure

road status fluid

road type city

driving l3

driver hands off-wheel

n

```
[ L3_CityChauffer ] Current Speed: 6 Km/h
[ L3_CityChauffer ] Accelerating (aggressive) to get the reference speeed of 40 Km/h
##            DriverDisplay_VisualText ## Please, put the hands on the wheel!
##               Speakers_AuditoryBeep ## ðŸ””
##            DriverDisplay_VisualIcon ## âš ï¸
##          DriverSeat_HapticVibration ## ã€°ï¸
```

show

```
- - - - - - - - - - - - - - - - - - - - -
|                   DRIVER
 - - - - - - - - - - - - - - - - - - - - -
| Hands on Wheel: false
|    Driver Face: LOOKING_FORWARD
|    Driver Seat: true
|   Copilot Seat: false
|        Working: true
 - - - - - - - - - - - - - - - - - - - - -

 - - - - - - - - - - - - - - - - - - - - -
|                 ROAD INFO
 - - - - - - - - - - - - - - - - - - - - -
|      Road Type: CITY
|    Road Status: FLUID
|        Working: true
 - - - - - - - - - - - - - - - - - - - - -

 - - - - - - - - - - - - - - - - - - - - -
|                 CAR INFO
 - - - - - - - - - - - - - - - - - - - - -
```

```
|        Speed: 13 Km/h
|       Engine: 1000 rpm
|     Steering: 0 Â°
|  - - - - - - - - - - - - - - - - - - - - -
|  DRIVING SERVICE
|     L3_CityChauffer
|                  Fallback plan:
sua.autonomouscar.driving.emergencyfallbackplan.EmergencyFallbackPlan
|                        Working: true
|       Notification mechanisms: DriverDisplay_VisualText, Speakers_AuditoryBeep,
DriverDisplay_VisualIcon, DriverSeat_HapticVibration,
|                Reference Speed: 40 Km/h
|     Longit. Security Distance: 3000 cms
|     Lateral Security Distance: 100 cms
|  - - - - - - - - - - - - - - - - - - - - -
|  DISTANCES
|     Front: â^ž cms
|      Rear: â^ž cms
|     Right: â^ž cms
|      Left: â^ž cms
|     Working: true
|  - - - - - - - - - - - - - - - - - - - - -
|  LIDAR
|     Front: â^ž cms
|      Rear: â^ž cms
|     Right: â^ž cms
|      Left: â^ž cms
|     Working: true
|  - - - - - - - - - - - - - - - - - - - - -
|  LINE SENSORS
|     Right: false
|      Left: false
|     Working: true
 - - - - - - - - - - - - - - - - - - - - - -
```

INTERACT-3

configure

road status fluid

road type city

driving l3

seat driver false

n

```
[ L3_CityChauffer ] Current Speed: 6 Km/h
[ L3_CityChauffer ] Accelerating (aggressive) to get the reference speeed of 40 Km/h
##               Speakers_AuditoryBeep ## ðŸ””
##       SteeringWheel_HapticVibration ## â€°ï¸
##              Speakers_AuditorySound ##  [TextToSpeech] Cannot drive with a driver! Activating the
Fallback Plan ...
##         DashboardDisplay_VisualIcon ## âš ï¸
[ L3_CityChauffer ] Ending the driving function ...
[ EmergencyFallbackPlan ] Starting the driving function ...
[ EmergencyFallbackPlan ] Decelerating (medium) ...
```

show

```
- - - - - - - - - - - - - - - - - - - - - - - -
|                   DRIVER
 - - - - - - - - - - - - - - - - - - - - - - - -
| Hands on Wheel: true
|    Driver Face: LOOKING_FORWARD
|    Driver Seat: false
|   Copilot Seat: false
|        Working: true
 - - - - - - - - - - - - - - - - - - - - - - - -

 - - - - - - - - - - - - - - - - - - - - - - - -
|                 ROAD INFO
 - - - - - - - - - - - - - - - - - - - - - - - -
|      Road Type: CITY
|    Road Status: FLUID
|        Working: true
 - - - - - - - - - - - - - - - - - - - - - - - -

 - - - - - - - - - - - - - - - - - - - - - - - -
|                 CAR INFO
 - - - - - - - - - - - - - - - - - - - - - - - -
|         Speed: 9 Km/h
|        Engine: 900 rpm
|     Steering: 0 Â°
|  - - - - - - - - - - - - - - - - - - - - - - -
|  DRIVING SERVICE
|      EmergencyFallbackPlan
|  - - - - - - - - - - - - - - - - - - - - - - -
|  DISTANCES
|      Front: â^ž cms
|       Rear: â^ž cms
|      Right: â^ž cms
|       Left: â^ž cms
|      Working: true
|  - - - - - - - - - - - - - - - - - - - - - - -
|  LIDAR
|      Front: â^ž cms
|       Rear: â^ž cms
|      Right: â^ž cms
|       Left: â^ž cms
|      Working: true
|  - - - - - - - - - - - - - - - - - - - - - - -
|  LINE SENSORS
|      Right: false
|       Left: false
|      Working: true
 - - - - - - - - - - - - - - - - - - - - - - - -
```