Specification

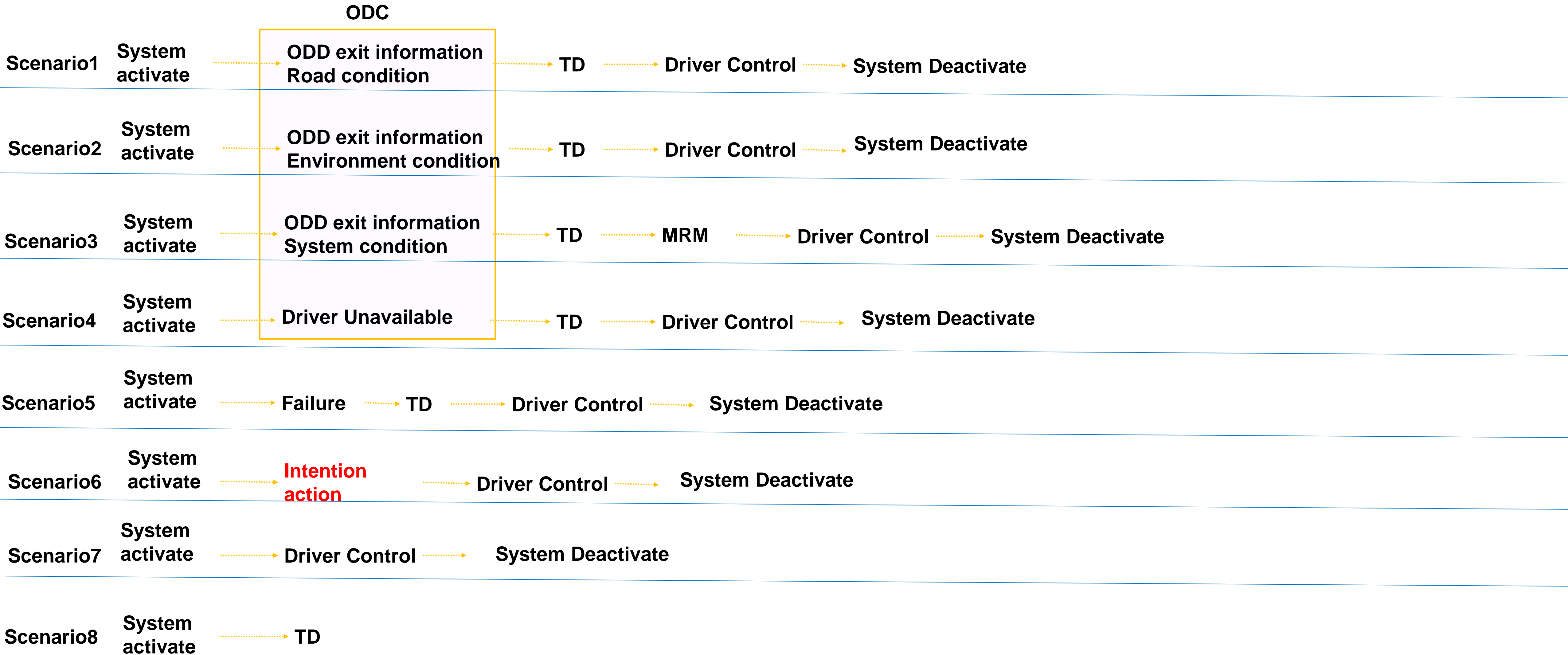**Each vehicle with a DSSAD shall meet the requirements specified below:**

➡️

Each vehicle with a DSSAD for ALKS shall meet the requirements specified below:

Running Log Data

Stamped Data set: time，location，ALKS status（OK/failure)

ODC

Scenario1 | System activate ┈┈► | ODD exit information Road condition → TD ┈┈► Driver Control ┈┈► System Deactivate

Scenario2 | System activate ┈┈► | ODD exit information Environment condition → TD ━━► Driver Control ┈┈► System Deactivate

Scenario3 | System activate ┈┈► | ODD exit information System condition ━► TD ━► MRM ┈┈► Driver Control ┈┈► System Deactivate

Scenario4 | System activate ┈┈► | Driver Unavailable ━► TD ━► Driver Control ┈┈► System Deactivate

Scenario5 | System activate ┈┈► Failure ━► TD ━━► Driver Control ┈┈► System Deactivate

Scenario6 | System activate ┈┈► **Intention action** ┈┈► Driver Control ┈┈► System Deactivate

Scenario7 | System activate ┈┈► Driver Control ┈┈► System Deactivate

Scenario8 | System activate ┈┈► TD

Event Trigger Data

Event definition

◆MRM(minimum risk maneuver)

◆EM（emergency maneuver）

◆TD(transition demand)

◆Driver control

◆System deactivate

◆System failure

◆Crash/Near crash

Data set

◆General info

◆Vehicle status

◆Sensor data

◆Algorithm data

◆Actuator data

Data format

Each data element listed in paragraph 2.2 shall be recognized without any possible confusion **by the manufacturer**. Each **timestamp** attached to this data shall enable to determine when the interaction occurred with [specified time stamp accuracy requirements].

→

Each data element listed in paragraph 2.2 shall be recognized without any possible confusion. **Running log data shall enable to determine when and where the interaction occurred, and the status of ALKS.**
Event trigger data shall enable to reconstruct the scenario and analyze the reason of the event.

Data retrievability

The data shall be retrievable by [**commercially available** tool or electronic communication interface [2.11.6].
If the main onboard vehicle power supply is not available, it shall be possible to retrieve stored **timestamped** data from the DSSAD.
even after an impact [test procedures to be named], it shall be possible to retrieve timestamped data stored from the DSSAD.

The data shall be retrievable by **appropriate** tool or electronic communication interface [2.11.6].
If the main onboard vehicle power supply is not available, it shall be possible to retrieve stored data from the **DSSAD for ALKS**.
even after an impact [UN R94,UN R95 and UN R137], it shall be possible to retrieve data stored from the **DSSAD for ALKS**.

DSSAD for ALKS

THANK YOU!