

Basic Concept

- DSSAD shall record the change of the key status with time stamp so that these data can be used not only for liability and legal responsibility, but also research and monitoring, as GRVA instructed IWG to consider.
- From this perspective, what DSSAD records at least should be in line with the status described in ALKS regulation, although some of them need to be further considered yet.

Basic Data Elements

Status of the Automated/Autonomous Driving System:

- Time when the system was turned ON/OFF
- Time when TD was initiated
- Time when MRM was initiated
- Time when other required function(s) under ALKS, if necessary, was initiated
- Time when the System failure occurred
- ODD information (time and the conditions (e.g. roadway types, geographic area, speed range, environmental conditions) when the system exited the ODD limits)

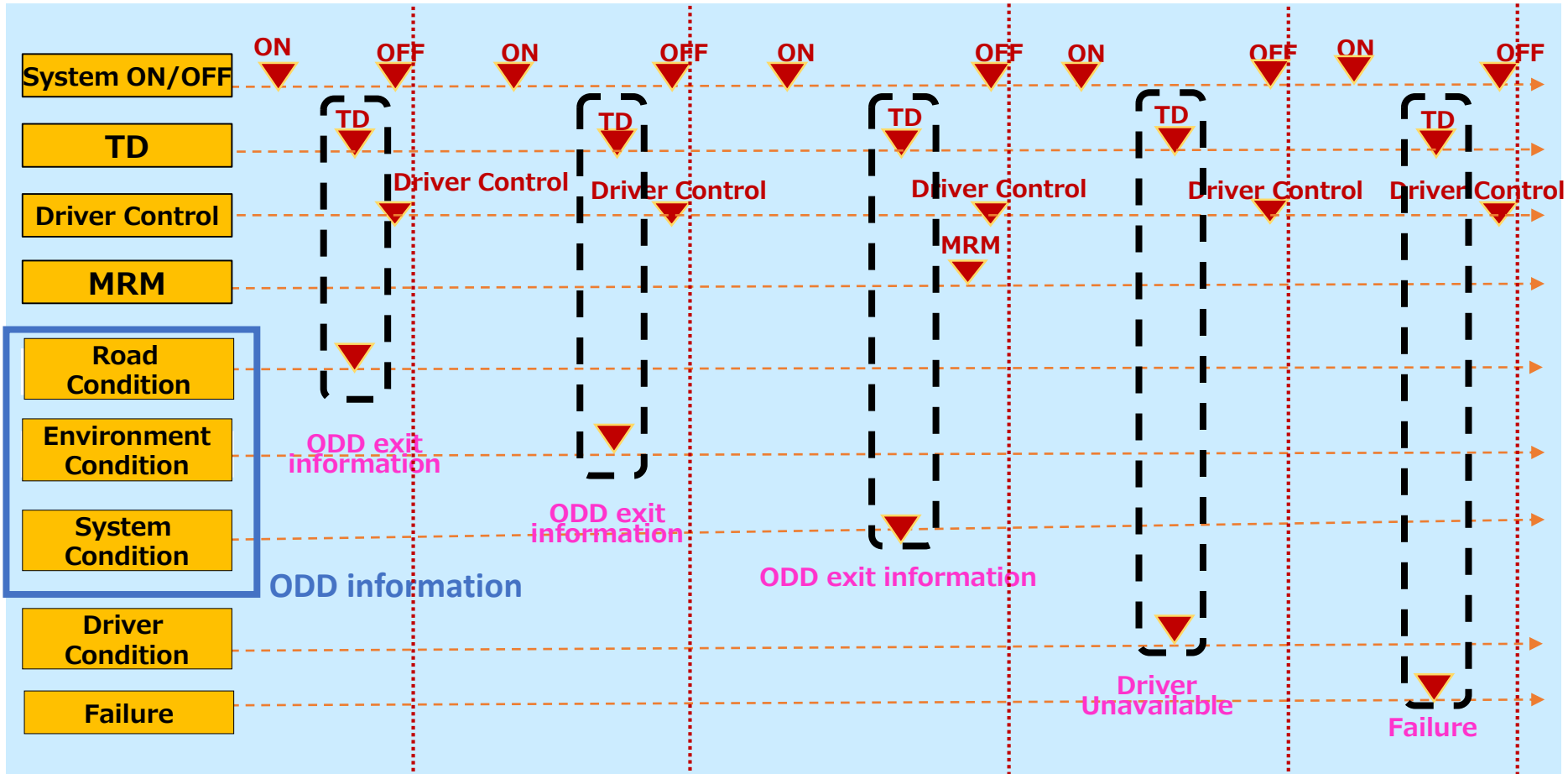
Status of the Driver:

- Time when the driver took manual control of the driving task, under automated mode activation
- Time when the driver became unavailable to take over the driving task

Different status could be combined into one recorded data, in case that they are supposed to be recorded simultaneously.

e.g. TD and ODD information, TD and driver unavailability

Basic Data Elements



Other suggested requirement

- **Data Storage Place:** The data shall be stored on-board unless it ensures that there is adequate protection against manipulation.
- **Data Storage Capacity:** DSSAD shall be able to store a minimum of [X.000] timestamped significant interactions or cover a minimum period of [6] months of use, whichever is achieved first.
- **Protection against Manipulation:** DSSAD should be ensured that there is adequate protection against manipulation of stored data such as anti-tampering design.
- **Information to the Driver:** The manufacturer shall provide the following information in the vehicle owner's handbook, or by any other communication means in the vehicle .
 - The vehicle is equipped with DSSAD
 - The purpose of DSSAD
 - No personal information is included
 - The way to retrieve data