1.

# **Terms and Definitions**

- Driving task
  - Perceiving the environment
  - Planning how to reach from point A to B
  - Controlling the vehicle

These 3 sub tasks will be running always which constitutes to main driving task

2. • Operational Design Domain (ODD)

Operating conditions under which car is deisgned to function

It includes environment, date and time, raodway etc

ODD need to be planend in advacne



#### What makes up a driving task?

- Lateral control steering
- Longitudinal control braking, accelerating
- Object and Event Detection and Response (OEDR): detection, reaction
- Planning
  - Long term
  - Short term



Miscellaneous

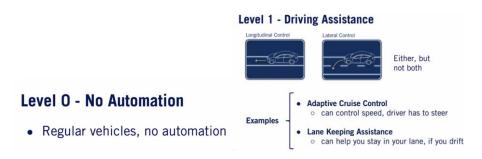


Misc includes hand waving, light signalling, interacting with other driver etc

#### **Autonomous Capabilities**

- Automated lateral control?
- Automated longitudinal contro
- OEDR
  - Automatic emergency response
  - Driver supervision
- Complete vs Restricted ODD

4.



### **Level 2 - Partial Driving Automation**



In Level 2 driver monitroign is needed

## **Level 3 - Conditional Driving Automation**



In Level 4. Waymo gives autonomy for limited ODD areas, so driver can rest

#### **Level 5- High Driving Automation**

