

Classification of the 142 proposals based on the supplementary explanation from the FRAV Secretary

* For details please refer to the excel sheet

1. ADS should drive safely. **48 items**

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2. ADS should interact safely with the user. **48 items**

3. ADS should manage safety-critical situations. **33 items**

4. ADS should safely manage failure modes. **7 items**

5. ADS should maintain a safe operational state. **2 items**

Other : Unclear **1 items**, L4 MaaS related **3 items**

Approach for future discussion (proposal)

2 Step Approach

1st Step: Level 3 ADS

2nd Step: Level 4 ADS

Way forward for 1st step (Level 3 ADS)

- 1 . Merge/integrate the similar items
- 2 . Add items which is not listed in current version
 - Whether interaction with the other traffic participants be included
 - Discussion on ODD
 - Relationship with WP1(Traffic Laws)

WHY “interaction with the other traffic participants”

In our (Japan) current national requirement, we ask OEM that AV should equip a sticker of "AD"(see the picture right). The purpose of this sticker is to announce to other road users and police that "this vehicle is driven by system, not human driver". At the case of conventional vehicle, other road users, including pedestrians, contact to driver through checking eye-movement or direction of drivers face whether the driver already recognize passengers or not. But at the case of automated vehicle, other road users cannot check eye-movement. By announcing to other road users, other road users can recognize that they should avoid collision by themselves.



In other situation, at the case of conventional vehicle, police will stop the vehicle if the driver are watching TV monitor or cell phone. However at the case of a vehicle driven by system, police do not stop that vehicle, because traffic law permit it. For police to distinguish whether police should stop or not, police check the sticker of AD.

I do not think sticker is perfect to communicate with other road users, so I hope FRAV discuss and find better way to communicate or announce to other road users.