Automonous vehichle

Consideration maybe not all road rule related some design rules

Traffic signs, either temp or recently changed how the system will deal with them, also missing signs such as at the end of road works where there is no End of road work sign and one hidden behind foliage or poorly positioned

How the system navigates and it association to time, in particular when we have minor changes such as leap seconds which happen every few years, and the vehicle is in use at that point in time.

Reliance on other countries GPS system which may be critical to the AV

Differences in the requirements of response to emergency vehicles in different states, speed passing such a vehicle is different in other states, (really is time all state aligned 100% on road rule and licensing)

Following instruction given by a human traffic controller, police officer, fireman, road worker or even general public in an emergency situation.

How an AV would respond to different road surface changes especially in country driving

How the vehicle would respond when involved in an accident and the information provided to the occupant.

Who would be able to use such a vehicle and do you need a licence, if yes then what’s the long term future of Taxi’s etc or can children just tell the car to take them to school and then return home.

How does the AV handle poor weather/ limited vision and considering human controlled vehicles in the same vicinity.

How will present road safety cameras/Police know that it’s an AV car and the passenger is not in control of the vehicle.

How do the police pull over an AV if needed and also on the rare occasion a member of the public if needed (occupant has been taken unwell).

Correct use of the vehicle who is responsible, seatbelts being used especially if it young people or mentally impaired.

Considering long term if the uptake is successful there may be a future where people don’t know how to drive and the range of these vehicle become capable of long distances, what is the maximum speed they can do, how long can an occupant be inside one.

Who is responsible for the safe maintenance of the vehicle? today it’s the drivers responsibly to ensure lights, tyres etc are OK.