

# **Examples of ALKS Use Cases across different speed ranges**

Informal document GRVA-08-24 8th GRVA, 14-16 December 2020 Agenda item 3(d)

**UN R157** 

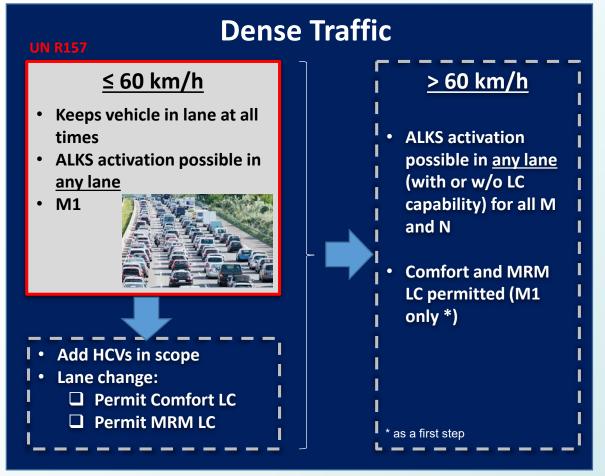
This UC is

currently

covered up to

60kph in UN

R157 (M1 only)



When the traffic is dense and flowing slowly (tbd), ALKS can be active on any lane regardless of its capability to change lanes.

## **Free Driving**

### **No LC Capabilities**

- Potential lane restriction (e.g. to the slowest lane)
- M and N

with vehicle in front



Without vehicle in front but appropriate speed (normal cruise speed)





#### **With LC Capabilities**

- "Comfort + MRM" Lane Change capability permits ALKS activation on <u>any lane</u>
- M1 only\*



When traffic is flowing freely at high/cruise speeds, even an ALKS not capable of performing lane changes can be active, but potentially under certain restrictions (e.g. with regard to the used lane)

#### **Existing Documents:**

- Higher Speeds: GRVA/2020/32
- Comfort LC: GRVA/2020/33, GRVA/2021/4 (w MRM LC)

- MRM LC: GRVA/2021/4 (w/ Comfort LC), GRVA-07-62

- All Categories: GRVA/2021/3