

Informal document **GRVA-08-23**8th GRVA, 14-16 December 2020
Agenda item 4(a)



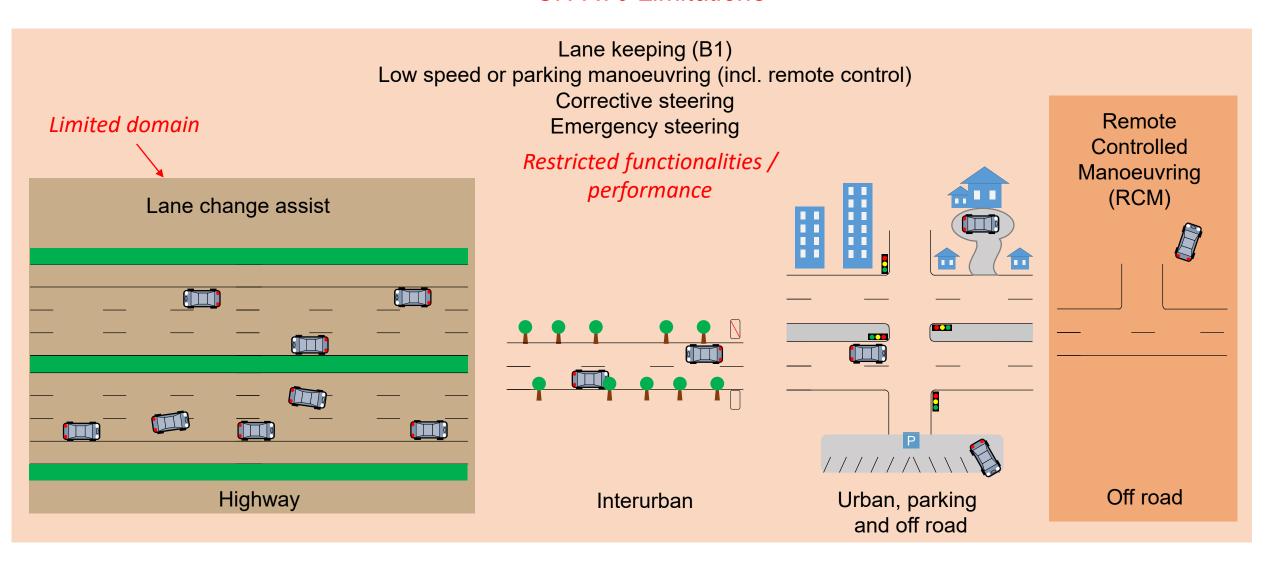
### Overview and further steps on ADASS features



#### **ADASS Use Cases Current Status**



**UN R79 Limitations** 







## The **MOTIVATION**

is to

### **WORK ON THE CURRENT LIMITATIONS**

of UN R79, with regard to the

**DEVELOPMENT OF FUTURE OR EXISTING ADASS** 



#### **Examples for relevant ADASS Use Cases**



### Functions regulated in R79

Emergency steering (in the lane) Low speed or parking manoeuvring (incl. remote control)

Corrective steering (stability, correct lane departure) Lane change (with markings, hands-on) Lane keeping (hands-on, 3m/s² lat accel...)

Existing proposals for R79

Lane keeping hands-off

**GRVA-07-23** 

Risk Mitigation Function (RMF)

GRVA/2021/13

New HMI for Remote control parking

GRVA/2021/12

"Tomorrow"

Today

Emergency steering w/o markings (Manoeuvring Assist) GRVA/2021/08

"Next week"

Any manoeuver may potentially be assisted, e.g...

Emergency steering by crossing markings / leaving the lane

Reverse assistance with trailer

System initiated lane change

Turning at an intersection

Entering a fork or highway

Hands-off, Eyes-on

Roundabouts

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### Way forward with two parallel work streams



### Define a new approach

Define the relevant ADASS Use Cases

Focus first on general principles for ADASS and find out where specific requirements for the use cases are relevant

Discuss how to implement the results, e.g. by adapting UN R79 or developing new ADASS regulation(s) (or both\*)

#### Adapt UN R79 for:

Fine-tuning existing functions

ACSF Cat. C (GRVA/2021/9) ACSF Cat. B1 (GRVA/2021/8)

Adding some new functions

RMF (GRVA/2021/13) MA (GRVA-07-24)

<sup>\*/</sup> some functions may remain in R79, while some others may be transferred into a new regulation





# Thank you