

Amendments for UN-Regulation for ALKS

Update on current activities

Recap GRVA 09/2020: Two proposals presented

UN-Regulation No. [157]

United Nations



Economic and Social Council

**Uniform provisions concerning the approval of vehicles
with regards to Automated Lane Keeping System**

- Automated Lane Keeping System
- Highways*
- Maximum speed: 60 km/h
- Scope: Vehicles of category M₁
- **Optional system (not mandatory)!**

Speed increase up to 130 km/h

GRVA/2020/32

Lane change functionality

GRVA/2020/33

- Both proposals are independent from each other, but fit together
- Concept unchanged: ALKS (+ proposed amendments) is an optional system

**The vehicle is on roads where pedestrians and cyclists are prohibited and which, by design, are equipped with a physical separation that divides the traffic moving in opposite directions.*

Update of activities from Germany on working level

GRVA
09/2020

Ongoing consultations
with AC.2 & WP.29

GRVA
12/2020

GRVA
02/2021

Oral feedback

Informal
documents

Bilateral exchange:

- Answer questions from stakeholders raised in GRVA
- Clarifications for common understanding
- Address some of the early concerns raised in GRVA to revise proposal
- Review informal documents

**How to
proceed?**

WORK IN PROGRESS

Joint review of
updated proposals

Internal review & bilateral exchange – some “findings”

Speed increase up to 130 km/h

- Clarifications,
- Editorial improvements, ...

Lane change functionality (incl. MRM)

- Clarifications,
- Consolidation requirements for regular lane change and in MRM condition,
- Target lane assessment: provisions for critical situation (values),
- Conditions/reasoning for lane change,
- Amendments for testing section,...



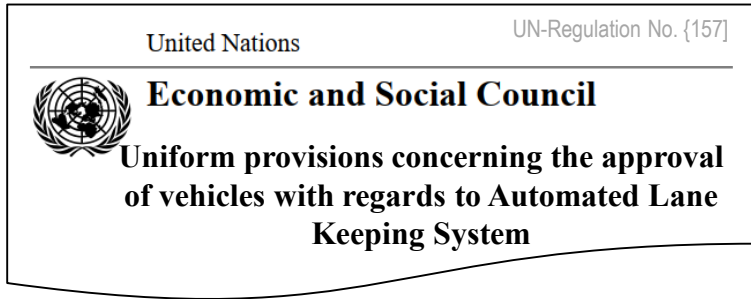
Separate functionalities or necessity to combine?

→ Suggestion to continue discussing separately on technical level first, then decide if 130 km/h should be coupled to lane change ability

New name for system?

→ Suggestion to keep as it is for the moment

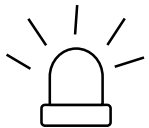
Seeking decision by GRVA: How to proceed?



Speed increase up to 130 km/h

Lane change functionality

Other vehicle categories



To be finalized
2021

ALKS is priority for Germany

- Automated systems expected to bring **benefit for road & traffic safety!**
- Enable technology that is on the way
Continued work for ALKS shall not hinder on-going activities in FRAV, VMAD or others → consistency!
- Germany strongly hopes interested stakeholders for **expert feedback** in order to finalize the amendments as soon as possible next year and would like to invite for **joint exchange**

Thank you for your kind attention!