Department
for Transport

UNECE Scenario Catalogue

18th Session of GRVA

Submitted by the expert from the United Kingdom of Great Britain and Northern Ireland

Is there a need for a UN scenario catalogue?

- It is recognised that scenarios will play an essential part in the evaluation of the performance of an Automated Driving System (ADS).
- There is already an expectation of a catalogue by VMAD.
- There are many scenario databases in existence (or being developed) that are designed with particular intentions.

- Should there be an independent one principally designed for authorities to support their approval and certification processes?

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What benefits can a UN scenario catalogue bring?

- Having an extensive collection of scenarios that is produced collaboratively would avoid the risk of 'designing to the test' and ensure coverage.

- It gives authorities a ready-made resource of scenarios to consider and to utilise in the evaluation of an ADS (and potentially ADAS).

- Authorities would have the capability to highlight specific scenarios to other authorities (e.g. scenarios that cover a particular country's traffic rules).

- New scenarios identified from in-service monitoring and reporting can be more easily shared.

Suggested way forward

UK proposes a workshop to agree next steps on how we would:

- Examine the need and scope of a UNECE scenario catalogue
- Establish the capabilities and requirements of any necessary catalogue
- Investigate whether an existing scenario database could fulfil this purpose
- Maintain, operate and utilise it with regards to WP.29 activities

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