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(61st GRRF, 5-9 February 2007
agenda item 5.)

ECE Regulation No.79

Proposal for Amendments

Presented by the Expert from Russian Federation
February 2007
Proposal Outline

- More consecutive provisions
- Increase of objectivity of provisions
  - Straight motion
  - Releasing the steering control
- Compatibility of advanced driver assistance steering systems
- Transitional provisions
- Corrections of terms in Russian
Increase of objectivity of provisions
- Straight motion

**Current provisions**
- It must be possible to travel along a straight section of road without unusual steering correction by the driver and without unusual vibration... (5.1.2.)
- The trailer must travel without excessive deviation or unusual vibration in its steering equipment... (6.3.1.)

**Proposed amendments**
- Set test conditions
  - Vehicle speed
  - Width of the test corridor
- Set evaluation criterion
  - Average angular speed of adjusting turns of the steering wheel
Increase of objectivity of provisions
- Releasing the steering control

Current provisions

- There must be a tendency to self-center... with the intact steering equipment. ...(5.1.1.)
- It must be possible to leave a circle... without unusual vibration in the steering equipment... (6.2.1.)

Proposed amendments

- Specify test conditions
- Set evaluation criterions
  - No oscillations of the released steering wheel
  - The maximum value of the steering wheel angle remained to return to its neutral position
Instrumentation

Test Track Marked Corridor

Measuring Steering Wheel

Longitudinal Speed Sensor
Advanced driver assistance steering systems

- Advanced driver assistance steering systems shall not cause any deterioration in the performance of the basic steering system and shall not interfere with the driver in realization of his control inputs, which may lead to deterioration of vehicle behavior.

- The technical service shall ensure and be assured in that for any possible conditions of vehicle motion and the driver’s control inputs actual for real conditions of vehicle operation.

- For this purpose the technical service should agree with the manufacturer the number of necessary checks and tests.

- In addition to tests the manufacturer may agree with the technical service submitting the results of computer simulation of vehicle behavior.
Transitional Provisions

The transitional provisions are proposed according to the guidelines adopted by WP.29 (TRANS/WP.29/1044).

- No refusal to grant approval under the amended Regulation
- Granting approval under the amended Regulation only
- Refusal of national registration if the vehicle does not meet the amended Regulation

Entry into force: 18 months

36 months
Thank you for your attention!