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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*

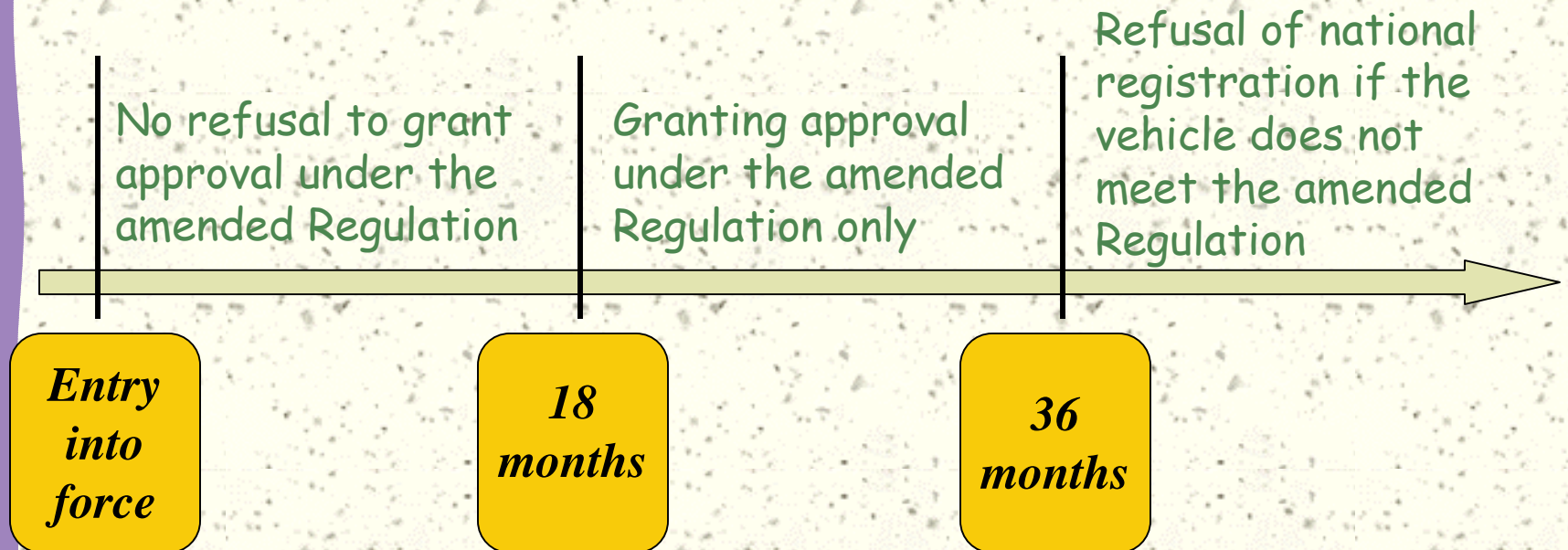


Advanced driver assistance steering systems

- # 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).





Thank you for your attention!