ECONOMIC COMMISSION FOR EUROPE
INLAND TRANSPORT COMMITTEE

World Forum for Harmonization of Vehicle Regulations (WP.29)
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PROPOSAL TO DEVELOP A GLOBAL TECHNICAL REGULATION
CONCERNING SAFETY GLAZING MATERIALS FOR MOTOR VEHICLES
AND MOTOR VEHICLE EQUIPMENT

Transmitted by the representative of Germany

Note: This document contains a proposal for a global technical regulation (gtr), concerning the
Proposal to develop a Global Technical Regulation concerning Safety Glazing Materials for Motor
Vehicles and Motor Vehicle Equipment to be developed under the 1998 Agreement concerning the
establishing of Global Technical Regulations for wheeled vehicles, equipment and parts which can be
fitted and/or be used on wheeled vehicles. The text is being submitted by Germany to WP.29 and
AC.3 for consideration.

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Objective of the proposal
In view of the 1998 Global Agreement, there is now an opportunity to develop an improved and harmonized safety glazing materials regulation. Moreover, the work on the global forum will provide an opportunity to consider in the new regulation international safety concerns as well as available technological developments.

The objective of this proposal is to develop a global technical regulation regarding safety glazing materials. The proposed regulation will be based on existing national regulations of Contracting Parties as well as international standards and regulations, and is intended to contain provisions regarding new materials such as glass-plastics and plastics glazings.

The regulation is regarded without reference to any type approval, since these would be regulated in the legislation of Contracting Parties to the global Agreement.

As motor vehicles are sold around the world and as they are equipped with the same glazings, it would be an improvement to have them tested under the same level. Manufacturers would benefit from a reduction of the cost of testing. The consumer would benefit by having a unique level of safety.

**Description of the proposed regulation**

The global technical regulation will be developed based on best practices in the existing regulations, directives and industry standards listed below.

It was adopted that the structure of the global technical regulation is similar to the one of UNECE Regulation No. 43.

**Existing regulations and directives**

The following regulations were taken into account during development of the new global technical regulation regarding safety glazing materials:

**Europe:** UNECE Regulation No. 43 (Supplement 7) Uniform Provisions Concerning the Approval of Safety Glazing Materials and their Installation on Vehicles

- EU Directive 92/22/EEC on safety glazing and glazing materials on motor vehicles and their trailers

- EU Directive 89/173/EEC and 2000/1/EEC on certain components and characteristics of wheeled agricultural or forestry tractors


- Safety Glazing Materials for Road Vehicles

- Test method of Safety Glazing Materials for Road Vehicles

International Voluntary Standards

ISO 3537 (1999) Road vehicles – Safety glazing materials – Mechanical tests