

ECONOMIC COMMISSION FOR EUROPE

INLAND TRANSPORT COMMITTEE

Working Party on the Transport of Dangerous Goods
Seventy-sixth session,
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agenda item 5(b)

Multilateral Agreement M145 concerning paragraph 9.7.5.2 of ADR (lateral stability of tank-vehicles) - Discussion.

Submitted by Italy

Dear colleagues,

As you know, the ADR 2003, and already the 2001 edition, prescribes that tank-vehicles (of categories N2, N3, O2, O3 And O4) with fixed tank with capacity of more than 3 m³, intended for the carriage of dangerous goods in the liquid or molten state tested with a pressure of less than 4 bar, shall comply with the technical requirements of ECE Regulation n. 111 concerning lateral stability.

The requirements are applicable to tank-vehicle which are first registered as from 1 July 2003.

In order to solve the problem of a huge number of test to carry out using only one testing area available in our country, Italy initiated the Multilateral Agreement M 145, signed, up to now, by 9 other ADR Countries.

Besides, the application of R111 (Regulation concerning the lateral stability) using the calculation method, still remain a theoretical way to check the vehicle behaviour, due to a large number of non validated physical parameters involved into the mathematical calculation.

Due to this situation not yet defined for the lacking of the same reliability in both test methods (practical test and mathematical calculation), all the tests are carried out using the practical method instead of the simpler and shorter mathematical calculation.

Finally, as you know M145 will expiry on 1st July 2004, but we will hardly complete all the requested tests before the expiry date and so that is why we are thinking about a possible request for a validity prolongation.

In order to try for a solution, we would like to know the opinion of the Working Party.
Moreover we would like to confirm the results of the discussion into the final report.
