

4th Progress Report of the Informal Group on Plastic Glazing

1. Since the 102nd GRSG the Informal Group of Plastic Glazing has had a 5th meeting on 05/06 September at OICA in Paris.
 2. Main points of this meeting were still the discussions on the problem of determination of abrasion and the fixing of a regulatory text for the plastic windscreens and laminated plastic panes.
 3. The work on Taber abrasion at ISO TC22/SC11 is not yet finished. Presentation on abrasion was given which showed that by improvement of the tools and test procedure the accuracy of the Taber test could be increased. Another presentation showed the optical examination of used plastic windscreens and the comparison with abrasion pictures from car wash, sand drop and wiper test which are similar. The idea of taking a wiper test into consideration together with a car wash test and sand drop test was fixed in the 4th meeting and two task forces worked out a concept for developing this test because of given existing apparatus in laboratory and data from a car fleet for comparison which have to be measured. The group accepted this proposal of work given by the task forces.
Because of an undecided voting for and against the Taber test by the different experts a compromise concerning determination of abrasion was obtained: abrasion could be determined alternatively by a Taber test concerning UN Regulation No.43 or by a package of sand drop, car wash and wiper tests. Assumption for this is a positive outcome in the wiper test project. This project will extend the given schedule of the programme of IGPG (Informal document GRSG-99-25). An updated schedule for the work programme will be submitted for the 104th session of GRSG.
 4. The discussion of annex 18 of the regulatory text on laminated rigid plastic panes was finished with exception of the drop height for the 227g ball drop test for which the tests still have to be performed.
The conformity of production has been discussed for rigid plastic windscreens and laminated plastic panes. Some members see a problem in the measurement of HIC values for windscreens because the apparatus is not everywhere available. The solution of this problem is postponed to the next meeting of the group.
 5. The official publication of the results of the Federal Highway Research Institute study of comparative tests with laminated safety glass panes and polycarbonate panes for headform impact is now available.
 6. The next meeting of the Informal Group will be on 22/23. January 2013 at the European Commission in Brussels. Another meeting will be in June 2013.
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