

General Agenda of RCAR's Damageability Working Group (WG)

Seoul, 11 March 2015

“RCAR’s primary goal is to reduce the human and economic costs of motor vehicle losses.

This is done through research into improved vehicle damage resistance, reparability, security, and safety.”



Strategic Orientation of the Group: Overview



The Damageability WG has established standards for evaluating the damageability of vehicles in low-speed crashes. Although the forthcoming driver assistance systems tend to reduce the frequency of accidents, crashes will be inevitable for the next decades and the damageability and ease of repair will significantly affect the cost of ownership.

The tests are based on statistical evaluations and are intended to:

- analyse the severity of damage and the subsequent costs for vehicle owners and insurers
- standardise the method of analysis to promote performance improvements in low-speed crashes worldwide
- provide the vehicle manufacturers with a tried-and-tested measure to facilitate the design of easily repairable vehicles

Strategic Orientation of the Group: Intention



The RCAR Damageability WG aims to:

- define test standards addressing common low-speed crashes where, typically, no bodily injury should occur. However, the severity of the crash may be high enough to compromise the vehicle's structure and require extensive repairs.
- harmonize standards to meet both the demands of the global automotive industry and the requirements of the insurance market
- administer the established standards with respect to evolution in technology and changes in relevance or statistical evidence
- encourage RCAR institutes, motor insurers and automakers to apply these tests in insurance group ratings and vehicle development in order to promote the globalization of these standards
- provide documents detailing the procedures and the benefits of the test standards for all RCAR institutes and their respective markets

Strategic Orientation of the Group: Cooperation



The RCAR Damageability WG

- is open to negotiation with vehicle manufacturers in order to balance interests with respect to the insurer's, the engineer's and the vehicle owner's requirements
- supports rating procedures with a common test standard, although test results need to be localized to market-specific circumstances e.g. legal, technical, insurance coverage-related etc.
- will respect both the insurer's and the automaker's needs when introducing new standards or changes in the established standards