2.1 Points Calculation

A sliding scale system of points scoring has been adopted for the biomechanical assessments. This involves two limits for each parameter, a more demanding limit (higher performance), beyond which a maximum score is obtained and a less demanding limit (lower performance), below which no points are scored. For the adult rating, the maximum score for each body region is four points. Where a value falls between the two limits, the score is calculated by linear interpolation.

For all tests part of the adult occupant protection assessment, capping limits are maintained for criteria related to critical body regions: head, neck and chest for the frontal impact; head, chest, abdomen and pelvis for the side and pole impact. Exceeding a capping limit generally indicates unacceptable high risk at injury. In all cases, this leads to loss of all points related to the tests. Capping limits can be equal to or higher than the lower performance limit, depending on the test.

When a car offers “side seating” positions, those that are perpendicular to the travel direction of the car, AOP points will be capped to zero.