Definition of Windscreen Lower Reference Line

- Primary safety functions are located in this area, such as de-mist and head up displays.
- Therefore, a definition corresponding to windscreen side and rear reference lines is proposed.
Lower Windscreen Reference Line

Lower Windscreen Reference Line to be based on the definition in ECE R43

This definition creates a larger exemption zone for some vehicles e.g. SUVs since the 5° line crosses the windscreen near its centre

Unfeasibility aspects can hardly justify this basic definition

→ The following modified definition is proposed, shifting the 5° line vertically in parallel
Lower Windscreen Reference Line (LWRL)

5° line shifted in parallel vertically

5° line ECE R43

82.5mm

5° line shifted in parallel vertically
Suggested wording:

The Lower Windscreen Reference Line is determined as follows:

- Line A is the line parallel to the 5° line described in the UN ECE-Regulation 43 (safety glazing), when the latter line is displaced vertically until it contacts the top of the dashboard.

- Line A is then translated laterally over the width of the vehicle, while maintaining contact with the dashboard, and the trace B of all intersection points with the windscreen is determined.

- The Lower Windscreen Reference Line is the line parallel to trace B, 82.5 mm upwards and rearwards along the windscreen.