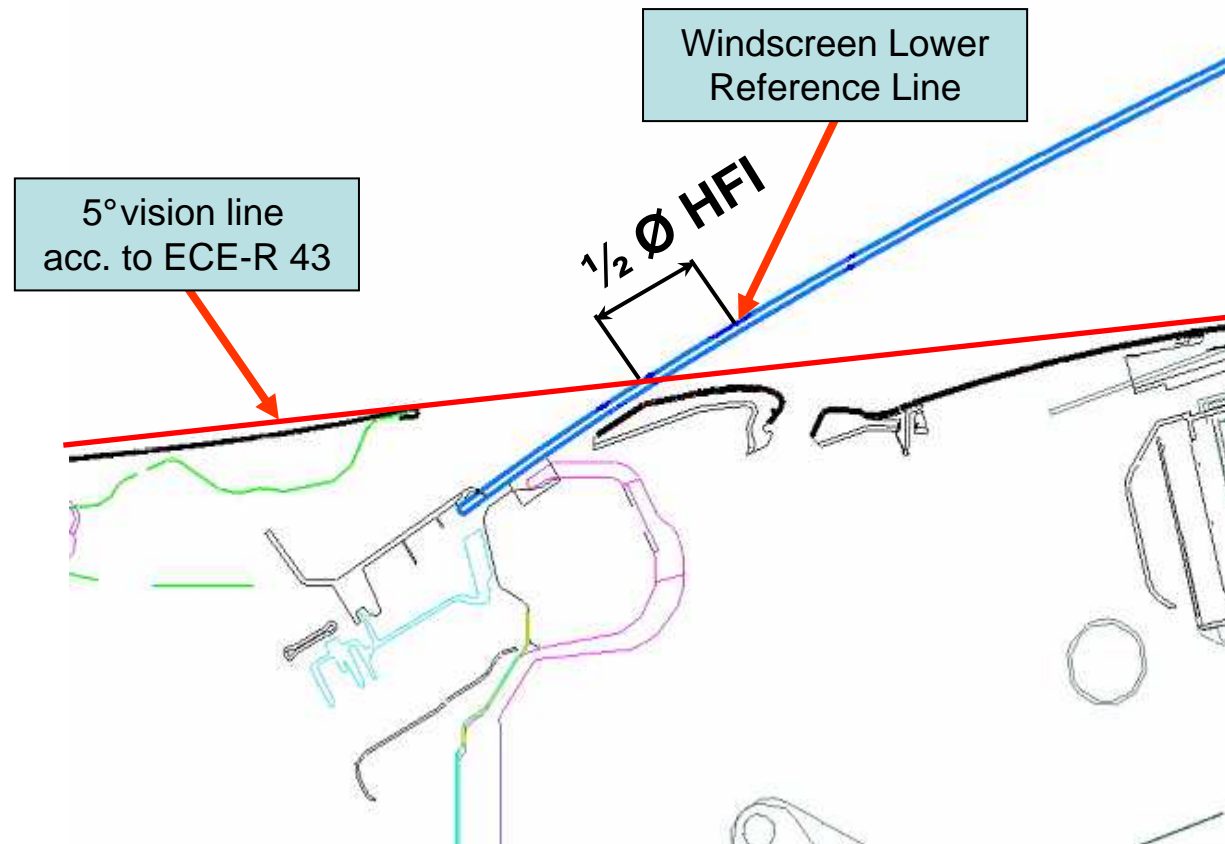


## Definition of Windscreen Lower Reference Line

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- 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**

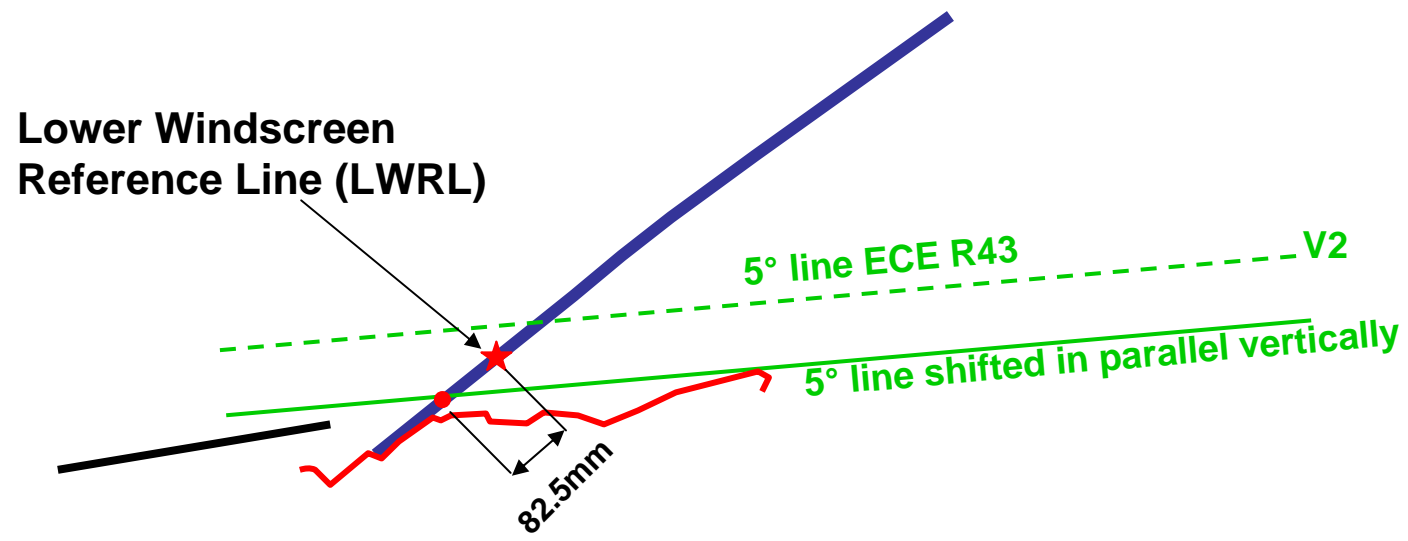
**Lower Windscreen Reference Line to be based on the definition in ECE R43**

**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**

# Illustration



**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.**