

# GFC Field of View Requirements

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For safety, all aircraft competing in the Green Flight Challenge must provide the pilot with an adequate forward field of view (FOV). The minimum standards for this are shown in the graph below and these differ substantially from those originally referred to in the Green Flight Challenge rules (FAA AC25.773-1). Note that these minimum standards have been selected only for the purposes of the Green Flight Challenge and they do not represent the ideal case for production aircraft. Teams are encouraged to exceed these minima by a wide margin in order to make their aircraft safer and more appealing to the market. It is permissible to have narrow window or windscreen posts or bars partially obstruct the FOV shown on the graph, but any single such obstruction must block no more than 10 degrees of azimuth within the specified FOV required in the graph. Upon arrival at the Green Flight Challenge, all aircraft will be inspected for compliance with these standards and, if failing to fulfill them, the aircraft will be disqualified from the Green Flight Challenge. The detailed compliance inspection will entail placing a 6 foot tall person in the pilot's seat with canopy/doors closed and measuring the sight angles necessary.

Please note that the standards differ for aircraft with a midline pilot's seat versus those with side-by-side seating (whose pilot is seated in the left seat). The standards are the same for both midline and left seat aircraft when gaze is directed to the left. However, the right gaze standards for a pilot in the left seat of a side-by-side seating aircraft allow the smaller field of view to the right as shown.

See Figure 1 on the next page.

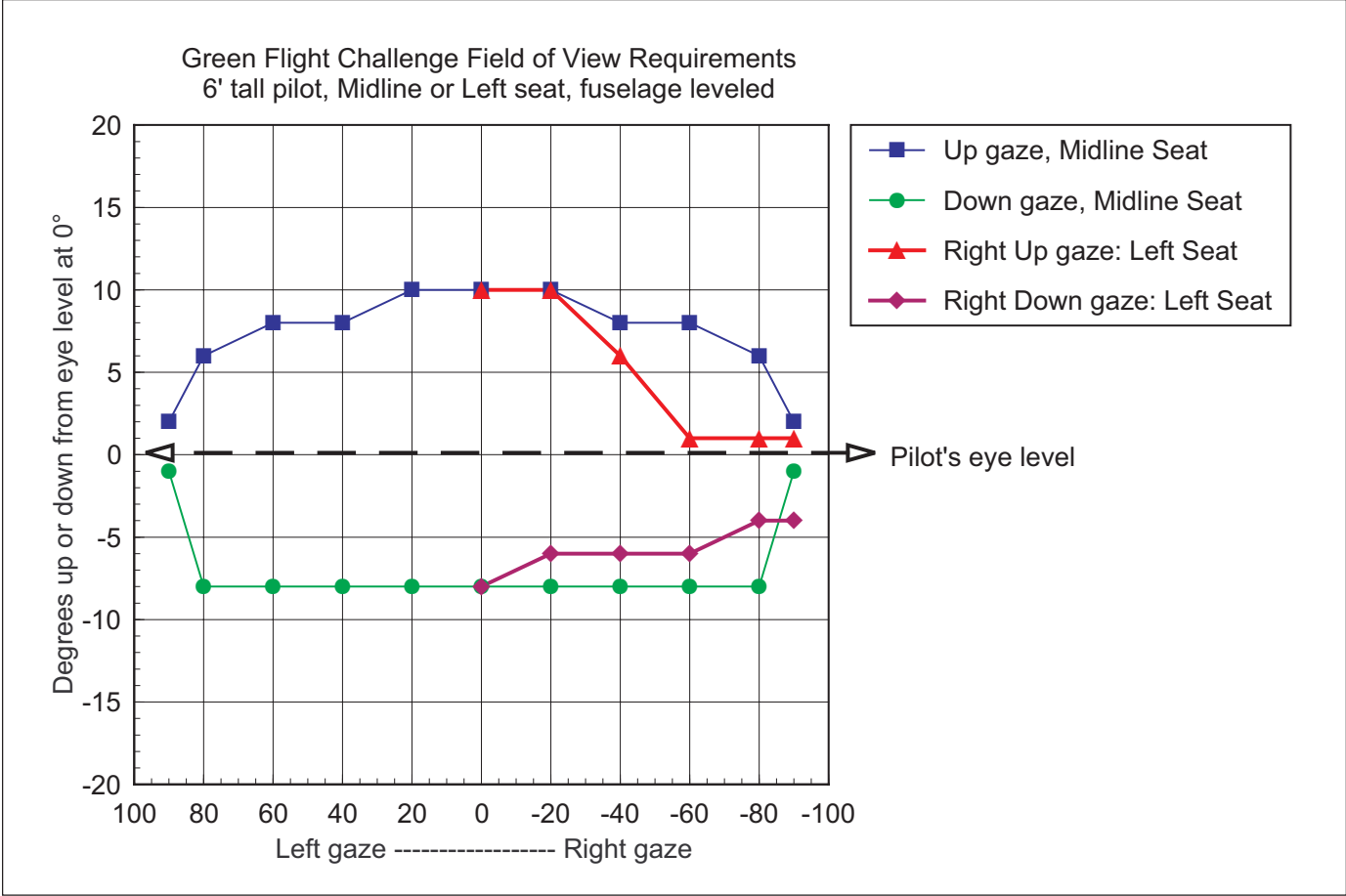


Figure 1 - Field of View Requirements