§ 29.1505 Never-exceed speed.

(a) The never-exceed speed, $V_{NE}$, must be established so that it is—

(1) Not less than 40 knots (CAS); and

(2) Not more than the lesser of—

(i) 0.9 times the maximum forward speeds established under §29.309;

(ii) 0.9 times the maximum speed shown under §§29.251 and 29.629; or

(iii) 0.9 times the maximum speed substantiated for advancing blade tip mach number effects under critical altitude conditions.

(b) $V_{NE}$ may vary with altitude, r.p.m., temperature, and weight, if—

(1) No more than two of these variables (or no more than two instruments integrating more than one of these variables) are used at one time; and

(2) The ranges of these variables (or of the indications on instruments integrating more than one of these variables) are large enough to allow an operationally practical and safe variation of $V_{NE}$.

(c) For helicopters, a stabilized power-off $V_{NE}$ denoted as $V_{NE}$(power-off) may be established at a speed less than $V_{NE}$ established pursuant to paragraph (a) of this section, if the following conditions are met:

(1) $V_{NE}$ (power-off) is not less than a speed midway between the power-on $V_{NE}$ and the speed used in meeting the requirements of—

(1) §29.67(a)(3) for Category A helicopters;