

### § 1.3

$V_{LO}$  means maximum landing gear operating speed.

$V_{LOF}$  means lift-off speed.

$V_{MC}$  means minimum control speed with the critical engine inoperative.

$V_{MO}/M_{MO}$  means maximum operating limit speed.

$V_{MU}$  means minimum unstick speed.

$V_{NE}$  means never-exceed speed.

$V_{NO}$  means maximum structural cruising speed.

$V_R$  means rotation speed.

$V_{REF}$  means reference landing speed.

$V_S$  means the stalling speed or the minimum steady flight speed at which the airplane is controllable.

$V_{SO}$  means the stalling speed or the minimum steady flight speed in the landing configuration.

$V_{S1}$  means the stalling speed or the minimum steady flight speed obtained in a specific configuration.

$V_{SR}$  means reference stall speed.

$V_{SRO}$  means reference stall speed in the landing configuration.

$V_{SR1}$  means reference stall speed in a specific configuration.

$V_{SW}$  means speed at which onset of natural or artificial stall warning occurs.

$V_{TOSS}$  means takeoff safety speed for Category A rotorcraft.

$V_X$  means speed for best angle of climb.

$V_Y$  means speed for best rate of climb.

$V_I$  means the maximum speed in the takeoff at which the pilot must take the first action (e.g., apply brakes, reduce thrust, deploy speed brakes) to stop the airplane within the accelerate-stop distance.  $V_I$  also means the minimum speed in the takeoff, following a failure of the critical engine at  $V_{EF}$ , at which the pilot can continue the takeoff and achieve the required height above the takeoff surface within the takeoff distance.

$V_2$  means takeoff safety speed.

$V_{2min}$  means minimum takeoff safety speed.

$VFR$  means visual flight rules.

$VGSI$  means visual glide slope indicator.

$VHF$  means very high frequency.

$VOR$  means very high frequency omnirange station.

### 14 CFR Ch. I (1–19 Edition)

$VORTAC$  means collocated VOR and TACAN.

[Doc. No. 1150, 27 FR 4590, May 15, 1962]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 1.2, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at [www.govinfo.gov](http://www.govinfo.gov).

#### § 1.3 Rules of construction.

(a) In Subchapters A through K of this chapter, unless the context requires otherwise:

(1) Words importing the singular include the plural;

(2) Words importing the plural include the singular; and

(3) Words importing the masculine gender include the feminine.

(b) In Subchapters A through K of this chapter, the word:

(1) *Shall* is used in an imperative sense;

(2) *May* is used in a permissive sense to state authority or permission to do the act prescribed, and the words “no person may \* \* \*” or “a person may not \* \* \*” mean that no person is required, authorized, or permitted to do the act prescribed; and

(3) *Includes* means “includes but is not limited to”.

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## PART 3—GENERAL REQUIREMENTS

Sec.

3.1 Applicability.

3.5 Statements about products, parts, appliances and materials.

AUTHORITY: 49 U.S.C. 106(g), 40113, 44701, and 44704.

SOURCE: 70 FR 54832, Sept. 16, 2005, unless otherwise noted.

#### § 3.1 Applicability.

(a) This part applies to any person who makes a record regarding:

(1) A type-certificated product, or

(2) A product, part, appliance or material that may be used on a type-certificated product.

(b) Section 3.5(b) does not apply to records made under part 43 of this chapter.