§ 325.21 Scope of the rules in this subpart.

(a) The rules in this subpart specify criteria for sound level measurement systems which are used to make the sound level measurements specified in subpart D and subpart E of this part.

(b) The sound level measurement system must meet or exceed the requirements of American National Standard Specification for Sound Level Meters (ANSI S1.4–1971), approved April 27, 1971, issued by the American National Standards Institute, throughout the applicable frequency range for either:

(1) A Type 1 sound level meter;

(2) A Type 2 sound level meter; or

(3) A Type S sound level meter which has—

(1) A weighing frequency response;

(2) Fast dynamic characteristics of its indicating instrument; and

(3) A relative response level tolerance consistent with those of either a Type 1 or Type 2 sound level meter, as specified in section 3.2 of ANSI S1.4–1971.

§ 325.23 Type of measurement systems which may be used.

(a) The sound level measurement system must meet or exceed the requirements of American National Standard Specification for Sound Level Meters (ANSI S1.4–1971), approved April 27, 1971, issued by the American National Standards Institute, throughout the applicable frequency range for either:

(1) A Type 1 sound level meter;

(2) A Type 2 sound level meter; or

(3) A Type S sound level meter which has—

(1) A weighing frequency response;

(2) Fast dynamic characteristics of its indicating instrument; and

(3) A relative response level tolerance consistent with those of either a Type 1 or Type 2 sound level meter, as specified in section 3.2 of ANSI S1.4–1971.

§ 325.25 Calibration of measurement systems.

(a)(1) The sound level measurement system must be calibrated and appropriately adjusted at one or more frequencies in the range from 250 to 1,000 Hz at the beginning of each series of measurements and at intervals of 5–15 minutes thereafter, until it has been determined that the sound level measurement system has not significantly drifted from its calibrated level. Once