

## Chapter HAS 4

### MEASUREMENT OF HUMAN HEARING

HAS 4.01 Appropriate procedures for measurement of human hearing  
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**Note:** Chapter Had 4 was renumbered Chapter HAS 4 under s. 13.93 (2m) (b) 1, Stats., Register, April, 1992, No. 436.

**HAS 4.01 Appropriate procedures for measurement of human hearing.** The procedures accepted by the board for the measurement of human hearing by licensees and trainees comprise:

(1) Pure tone audiometry, including air conduction testing and bone conduction testing.

(2) Speech audiometry by live voice, or recorded voice, including speech reception threshold, speech discrimination testing, and most comfortable loudness measurements and loudness discomfort levels.

(3) Appropriate masking when indicated.

(4) Recording and interpretation of audiograms and speech audiometry to determine proper selection and adaptation of hearing instruments.

**History:** Cr. Register, March, 1975, No. 231, eff. 4-1-75; am. (2) and (4), Register, July, 1992, No. 439, eff. 8-1-92.

**HAS 4.02 Ear molds.** Taking impressions for ear molds includes:

(1) Otoscopic observation, pre- and post- impression.

(2) Proper cotton or foam block placement.

(3) Impression material insertion.

(4) Removal of completed impression.

(5) Proper ear mold selection.

**History:** Cr. Register, March, 1975, No. 231, eff. 4-1-75; am. (2), cr. (5), Register, July, 1992, No. 439, eff. 8-1-92; am. (2), Register, July, 1993, No. 451, eff. 8-1-93; am. (1) and (5), Register, July, 1998, No. 511, eff. 8-1-98.

**HAS 4.03 Equipment used to measure hearing.**  
 (1) Pure tone audiometry must be conducted with a pure tone

audiometer which conforms to the American National Standards Institute, Standard ANSI S3.6 1996 approved January 12, 1996. Such audiometer shall be capable of generating a minimum of 9 discrete frequencies, ranging from 250 Hz through 8 KHz (250, 500, 1000, 1500, 2000, 3000, 4000, 6000, 8000 Hz). Output levels over the frequency range shall conform to standard ANSI S3.6 specified above.

**Note:** A copy of Standard ANSI S3.6 may be obtained by writing to: The American National Standards Institute, 11 West 42nd Street, New York, NY 10036. Copies of the Standard are on file at the office of the Department of Regulation and Licensing, the Secretary of State and the Revisor of Statutes.

(2) A masking source shall be either available within, or capable of being attached to, the audiometer. The masking source shall have one of the following:

(a) White noise capability.

(b) Speech noise capability.

(c) Narrow band noise and white noise or narrow band noise and speech noise capability.

(3) Audiometric equipment used in the evaluation of hearing sensitivity for the fitting and sale of hearing instruments shall be calibrated not less than once every 12 months.

**History:** Cr. Register, March, 1975, No. 231, eff. 4-1-75; am. Register, July, 1992, No. 439, eff. 8-1-92; am. Register, July, 1993, No. 451, eff. 8-1-93; renum. HAS 4.03 to be 4.03 (1), cr. (2) and (3), Register, July, 1997, No. 499, eff. 8-1-97; am. (1), Register, July, 1998, No. 511, eff. 8-1-98.

**HAS 4.04 Appropriate time frame for hearing tests prior to fitting hearing instruments.** Appropriate procedures for the measurement of human hearing as described in s. HAS 4.01 shall be performed and documented within 6 months prior to the selling and fitting of a hearing instrument.

**History:** Cr. Register, June, 1977, No. 258, eff. 7-1-77; corrections made under s. 13.93 (2m) (b) 1., Stats., Register, April, 1992, No. 436; am. Register, July, 1992, No. 439, eff. 8-1-92; am., Register, July, 1998, No. 511, eff. 8-1-98.