

SECTION B – STATEMENT OF WORK (SOW)

1. Background:

The VASDHS has a requirement for hearing instrument interface equipment.

2. Supplies/Services:

The new hearing instrument interface equipment shall be completely new. They shall not be used, refurbished, or in any other form, including substitutions. Contractor shall not add or substitute any component(s) without prior approval from the CO.

Salient characteristics required of item numbers 1–2 in the Price/Cost Schedule of Supplies and Services:

- 2.1 Equipment must be a fully binaural fitting system,
- 2.2 Must be designed for clinical use in a hospital or clinic,
- 2.3 Must verify binaurally – both on the ears and test box,
- 2.4 Test box must be acoustically treated,
- 2.5 Frequency range must be at least 200-12,500 Hz,
- 2.6 Test stimulus level at reference mic for tones must be at least 200-2,000 Hz +/- 1.5 dB SPL, 2,000-8,000 Hz +/- 2.5 dB SPL, and 8,000-12,500 Hz +/- 4 dB SPL,
- 2.7 Must have a harmonic distortion accuracy of at least +/- 1% (absolute),
- 2.8 Must have options to not use putty for couplings,
- 2.9 Must be capable of testing as a pair,
- 2.10 Must be able to use REM and HIT testing equipment in separate areas,
- 2.11 Must verify whether or not band is being delivered, and must have a bandwidth of at least 16kHz,
- 2.12 Must provide accurate results of at least 1/3 of an octave, up to 12.5kHz,
- 2.13 Must be compatible with existing Speechmap ® software,
- 2.14 Must be a programmable electrical medical system,
- 2.15 Must provide real ear measurement,
- 2.16 Must include a graphical display unit that provides a graphical S11 display, help, unified controls for most binaural testing, and menus,

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- 2.17 Must be capable of connecting to WiFi,
- 2.18 Must include at least three (3) loud speakers,
- 2.19 Must include connections for two (2) reference microphones,
- 2.20 Must include one (1) binaural coupler microphone,
- 2.21 Must include battery pill substitutes,
- 2.22 Must include software for equipment,
- 2.23 Must include software updates for equipment, and
- 2.24 Must include the following accessories: cable to connect the test box to the display unit, a binaural coupler microphone to measure the sound level produced in the standard coupler, test box reference microphones for controlling the signal from loud speakers, 0.4cc wideband couplers that are attached to the binaural coupler microphone, AA-1 2cc coupler, HA-2 2cc coupler, hearing instrument stabilizer attached to the 0.4cc couplers, ear mold substitutes (tubing).

(End of Section B)