

## BIOLOGICAL AUDIOMETER CALIBRATION CHECK

<b>1. AUDIOMETER</b>			
a. MANUFACTURER	b. MODEL	c. SERIAL NUMBER	d. LAST ELECTROACOUSTIC CALIBRATION DATE (YYYYMMDD)

<b>2. LISTENER</b>		
a. NAME (Last, First, Middle Initial)	b. FACILITY	c. LOCATION

3. DATES AND DATA REVIEW				4. HEARING THRESHOLD LEVELS OF TEST FREQUENCIES RE: ANSI S3.6 - 1989																		
DATE (YYYYMMDD) a.	NAME OF EXAMINER (Last, First, Middle Initial) b.	CALIBRATION CHECK c.		LEFT EARPHONE (1)						RIGHT EARPHONE (2)												
		PASS: ± 5dB of Baseline (1)	FAIL: greater than ± 5dB of Baseline (2)	500	1000	2000	3000	4000	6000	500	1000	2000	3000	4000	6000							
				<b>a. BASELINE</b>																		
				<b>b. PERIODIC BIOLOGICAL CALIBRATION CHECKS</b>																		

<b>5. REMARKS</b>
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## INSTRUCTIONS

(Refer to DoD Component Instructions for additional guidance.)

**PURPOSE:** This form is used to record biological/electroacoustic monitor checks of the calibration of one audiometer. Hearing threshold levels of one person tested on this audiometer are recorded as well as notations of any signal distortions and noise transients.

**GENERAL:** Print all information in ink. Biological audiometer calibration checks will be performed every day the audiometer is used. More frequent intervals (e.g., daily checks) may be required by the DoD component. Start a new form if a different listener is used and/or after the audiometer is re-calibrated.

### 1. AUDIOMETER.

- a. Manufacturer.** Enter name of company that produced audiometer.
- b. Model.** Enter manufacturer's model designation.
- c. Serial Number.** Enter manufacturer's serial number.
- d. Last Electroacoustic Calibration Date.** Enter year, month, and day of last electroacoustic determination of this audiometer's performance specifications. If January 31, 2000, enter 2000131.

### 2. LISTENER.

- a. Name.** Enter surname, given name and middle initial of individual being tested, i.e., the person listening through earphones of audiometer.
- b. Facility.** Enter name of installation (e.g., Fort Bliss).
- c. Location.** Enter state or APO (e.g., TX, etc.).

### 3. DATES AND DATA REVIEW.

- a. Date.** Enter year, month, and day (see Item 1.d.) of each biological calibration check.
- b. Name of Examiner.** Enter surname, given name and middle initial of individual operating audiometer.

### 3. DATES AND DATA REVIEW (Continued)

#### c. Calibration Check.

**(1) Pass:**  $\pm 5$  dB of Baseline at 500 - 4000 Hertz (Hz) and  $\pm 10$  dB at 6000 Hz. Mark (X) this column if periodic biological calibration check is within  $\pm 5$  dB of baseline at 500 - 4000 Hz and  $\pm 10$  dB at 6000 Hz (e.g., if baseline of 15 dB has been established at 1000 Hz in right ear, any of the following hearing threshold levels obtained on periodic check would require no action: 10, 15, or 20 dB).

**(2) Fail:** Greater Than  $\pm 5$  dB of Baseline at 500 - 4000 Hz and  $\pm 10$  dB at 6000 Hz. Mark this column if periodic biological calibration check is greater than  $\pm 5$  dB of baseline at 500 - 4000 Hz and  $\pm 10$  dB at 6000 Hz (e.g., if baseline of 15 dB has been established at 1000 Hz in right ear, any threshold levels of 5 dB or less or 25 dB or greater would require action). This discrepancy must be accounted for or audiometer should receive an electroacoustic calibration. Refer to DoD component instructions for further guidance.

### 4. HEARING THRESHOLD LEVELS OF TEST FREQUENCIES.

- a. Baseline.** After listener has demonstrated test-retest reliability (i.e., if test results of several pre-tests are consistently within  $\pm 5$  dB of each other), enter hearing threshold levels of last test results in increments of 5 dB (e.g., 0, 5, 10, 15, etc.).
- b. Periodic Biological Calibration Checks.** Enter hearing threshold levels in increments of 5 dB. Use a separate line for each calibration check.

**5. REMARKS.** Enter any comments pertaining to signal distortion or noise transients including date of check. Include additional information on location of the audiometer (e.g., building number and room number) and the type of acoustic test environment (e.g., single-walled, single-person audiometric examination booth, etc.).