

North Carolina Hearing Aid Dealers and Fitters Board
Licensure Examination – Simulator Test Results

Candidate ID: _____ Test Date: _____

Total # of Procedural Errors: _____ Total # of Recording Errors: _____

Pass: _____ Fail: _____

Graded by: _____ Date: _____

	Error Type*	500 Hz		1000 Hz		2000 Hz		3000 Hz		4000 Hz		Total Errors
		Air	Bone	Air	Bone	Air	Bone	Air	Bone	Air	Bone	
Right Ear	URT											
	U-A		-----		-----		-----		-----		-----	
	U-B	-----		-----		-----		-----		-----		
	V1											
	V2											
Left Ear	URT											
	U-A		-----		-----		-----		-----		-----	
	U-B	-----		-----		-----		-----		-----		
	V1											
	V2											
Procedural Errors												
Right Ear	E											
	S											
	P											
Left Ear	E											
	S											
	P											
Recording Errors												

*See the NCHALB-Simulator Error Classifications for a description of each error

Passing Criteria:

- 0 Procedural Errors and no more than 5 Recording Errors = PASS**
- 1 Procedural Error and no more than 4 Recording Errors = PASS**
- 2 Procedural Errors and no more than 3 Recording Errors = PASS**
- 3 or more Procedural Errors = FAIL**
- 6 or more Recording Errors = FAIL**

North Carolina State Hearing Aid Dealers and Fitters Board
Simulation Error Classifications

(Note: Multiple errors may be observed for a single threshold)

Procedural Errors: Errors that reflect a candidate's knowledge of hearing test procedures.

URT = Unrecorded threshold

The required test result was not recorded on the audiogram. Not recording the thresholds of the required frequencies (500 Hz, 1000Hz, 2000 Hz, 3000 Hz and 4000 Hz).

U = did not mask when needed

- U-A – did not mask for air-conduction although masking should have been performed according to the following masking rule (Martin & Clark, 2003):

$$AC_{TE} - 40 \text{ dBHL} \geq BC_{NTE}$$

- U-B – did not mask for bone conduction although masking should have been performed according to the following masking rule:

$$ABG_{TE} > 10 \text{ dBHL}$$

V1 = Value error (counts for 1 point)

- an inaccurate bone-conduction threshold where the BC threshold is poorer than the AC threshold for a given frequency
- an inaccurate test result that is $\leq 10\text{dB}$ and recorded at a value within the limits of the audiometer
- a test result recorded beyond the maximum output limits of the audiometer

V2 = Value error (counts for 2 points)

- an inaccurate bone-conduction threshold where the BC threshold is poorer than the AC threshold for a given frequency
- an inaccurate test result that is $\geq 15\text{dB}$ and recorded at a value within the limits of the audiometer
- a test result recorded beyond the maximum output limits of the audiometer

Recording Errors: Errors that reflect a candidate's knowledge of recording an auditory threshold on an audiogram.

E = Extra unmasked symbol. (1 error for each extra unmasked symbol)

- The unmasked symbol was not removed from the audiogram when masking was performed, thus both the unmasked and masked symbols are recorded.

S = Symbol error (1 error for each symbol error)

- Wrong symbol color; this is considered only if candidate used red and blue.
- Wrong shape symbol

P = Placement Error (1 error for each placement error)

- Wrong direction of arrow or arrow pointing straight down
- Wrong symbol placement; For example:
 - The bottom of the triangle or the masked bone-conduction bracket rests on the horizontal axis.
 - Bone-conduction symbol (masked or unmasked) is positioned on the vertical axis
- Wrong location or orientation of bone-conduction symbol; for example, the LE bone conduction symbol is correct, but is positioned to the left of the vertical axis representing the frequency being tested.

Passing Criteria:

0 Procedural Errors and no more than 5 Recording Errors = PASS

1 Procedural Error and no more than 4 Recording Errors = PASS

2 Procedural Errors and no more than 3 Recording Errors = PASS

3 or more Procedural Errors = FAIL

6 or more Recording Errors = FAIL