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WORKERS' COMPENSATION AND ASSISTANCE ACT 1981

WORKERS' COMPENSATION AND ASSISTANCE AMENDMENT REGULATIONS 1991

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WESTERN AUSTRALIA

WORKERS' COMPENSATION AND ASSISTANCE ACT 1981

WORKERS' COMPENSATION AND ASSISTANCE AMENDMENT REGULATIONS 1991

Made by His Excellency the Governor in Executive Council.

Citation

1. These regulations may be cited as the *Workers' Compensation and Assistance Amendment Regulations 1991.*

Commencement

2. These regulations shall come into operation on the day on which the *Workers' Compensation and Assistance Amendment Act 1988* is proclaimed to come into operation.

Principal regulations

3. In these regulations, the *Workers' Compensation and Assistance Regulations 1982** are referred to as the principal regulations.

[**Published in the Gazette of 8 April 1982 at pp. 1229-1250. For amendments to 4 February 1991 see p. 403 of 1989 Index to Legislation of Western Australia.*]

Part 1 heading inserted

4. The principal regulations are amended by inserting before regulation 1 the following Part heading—

" PART 1—PRELIMINARY ".

Part 2 heading inserted

5. The principal regulations are amended by inserting before regulation 4 the following Part heading—

" PART 2—GENERAL ".

Regulation 4 amended

6. Regulation 4 of the principal regulations is amended by deleting "24" and substituting the following—

" 24B ".

Part 3, and Part 4 heading, inserted

7. The principal regulations are amended by inserting after regulation 19 the following Part and Part headings—

" PART 3—NOISE INDUCED HEARING LOSS

Interpretation

19A. In this part unless the contrary intention appears—

"approved" means approved in writing by the Executive Director;

"approved medical practitioner" means a medical practitioner approved under regulation 19B (1) (a);

"approved person" means a person approved under regulation 19B;

"audiologist" means an audiologist approved under regulation 19B (1) (b);

"audiometric officer" means a person approved under regulation 19B (1) (c);

"Australian Standard" means a standard published by the Standards Association of Australia, as amended from time to time;

"clause" means a clause in Schedule 7 to the Act.

Persons approved to carry out audiometric testing

19B. (1) The Executive Director may approve, either generally or in a particular case, the following persons to carry out audiometric testing—

(a) a medical practitioner;

(b) an audiologist who is either a full member or qualified to be a full member of the Audiological Society of Australia; and

(c) a person who, in the opinion of the Executive Director, has appropriate qualifications to enable that person to carry out audiometric testing as an audiometric officer.

(2) An audiometric test for the purposes of sections 24A and 24B of the Act shall be carried out by a person approved under subregulation (1).

(3) The Executive Director may at any time cancel an approval given under subregulation (1).

(4) The Executive Director shall serve on each person to whom an approval, or cancellation of approval, relates a certificate of approval or notification of cancellation, as the case requires.

Testing procedures

19C. (1) An approved person shall carry out an audiometric test—

(a) using an audiometer which meets the standards specified in writing by the Executive Director; and

(b) in an approved hearing booth or other approved testing environment.

(2) An approved person using an audiometer under subregulation (1) shall—

(a) check the audiometer on each day of use, both before and after the series of measurements carried out and after any relocation of the audiometer, to ensure that the audiometer is in satisfactory working order; and

(b) ensure that the audiometer has been calibrated at an approved calibration laboratory within the 12 months preceding each day of use and that the audiometric officer has received a copy of the report prepared on that calibration.

(3) An approved person shall ensure that the background noise levels during the testing of the hearing of a worker do not exceed those values listed in Table 5.1 in Section 5 of Australian Standard 1269-1989, or an approved equivalent, for the type of earphone/cushion or earphone enclosure combination connected to the audiometer used for the testing.

(4) Subject to subsection (5), an approved person shall test the hearing of a worker by means of a pure tone air conduction hearing threshold test carried out separately for the left and right ears—

(a) in accordance with—

(i) the procedure described in Section E2 of Appendix E of Australian Standard 1269-1989 as modified by written direction of the Executive Director; or

(ii) any procedure which establishes a higher testing procedure than that specified in subparagraph (i) and which is approved in writing by the Executive Director;

and

(b) if the test is conducted in accordance with the procedure referred to in subregulation (4) (a) (i), at the frequencies 500, 1 000, 1 500, 2 000, 3 000, 4 000, 6 000, 8 000 Hz except that where an audiometer does not possess a 1 500 Hz tone the hearing threshold for that frequency shall be calculated by drawing a straight line on an audiogram connecting the points of threshold for 1 000 and 2 000 Hz, marking the point of intersection with the 1 500 Hz line, and adjusting this value to the nearest 5dB increment.

(5) If, in the opinion of the Executive Director, a worker has a disability which will prevent the effective use of an audiometric test referred to in

subregulation (4), the hearing of that worker may be tested by any other method approved for the purposes of this subregulation.

(6) In instances where audiometric testing is carried out by an audiometric officer and the audiometric officer believes that the worker meets the criteria specified in Item 4 of Waugh & Macraes' criteria for medical referral in Table 1 of National Acoustic Laboratories Report No. 80 "Criteria for assessing hearing conservation audiograms", the audiometric officer shall refer the worker to a medical practitioner and the audiometric officer shall defer audiometric testing until the worker has complied with the referral and the audiometric officer is satisfied that the worker does not meet those criteria.

(7) When an initial audiometric test is carried out by an audiometric officer and the results of an air conduction test meet the criteria specified in Item 1, 2 or 3 of Waugh and Macraes' criteria for medical referral in Table 1 of National Acoustic Laboratories Report No. 80, the audiometric officer shall refer the worker to an audiologist or an approved medical practitioner for full audiometric testing and the audiologist or approved medical practitioner shall, if the results of the full audiometric test meet those criteria, refer the worker to a medical practitioner registered in the speciality of otorhinolaryngology for a full otorhinolaryngological assessment to determine the percentage of noise induced hearing loss.

(8) Where the results of an air conduction test carried out after an initial audiometric test show—

(a) at least a 10% loss of hearing from the initial audiometric test;

(b) at least a 5% loss of hearing from the loss shown by the audiometric test which resulted in a successful election by the worker under section 24A; or

(c) where the worker has reached the age of 65 years or on the worker's retirement from work before that age, any further percentage loss of hearing from the loss shown by the audiometric test which resulted in a successful election by the worker under section 24A,

the worker shall be referred by the Commission to an audiologist or an approved medical practitioner for full audiometric testing, and the audiologist or medical practitioner shall, upon completion of that testing refer the worker to a medical practitioner registered in the specialty of otorhinolaryngology for full otorhinolaryngological assessment to determine the percentage of noise induced hearing loss.

(9) Where the results of a further air conduction test, carried out after out after those tests referred to in subregulation (8), show a further loss of hearing, the worker shall be referred by the Commission to an audiologist or an approved medical practitioner for full audiometric testing and the audiologist or medical practitioner shall, if a further hearing loss is confirmed, refer the worker to a medical practitioner registered in the speciality of otorhinolaryngology for a full otorhinolaryngological assessment to determine the percentage of noise induced hearing loss.

(10) Where a worker is referred to an approved medical practitioner, audiologist or medical practitioner registered in the speciality of

otorhinolaryngology under subregulation (6), (7), (8) or (9), the audiometric test of that worker is completed on the date that—

(a) if the referral is under subregulation (6), the audiometric officer completes the audiometric test; and

(b) if the referral is under subregulation (7), (8) or (9), the medical practitioner or audiologist completes the audiometric test, or if the worker is further referred, the medical practitioner registered in the speciality of otorhinolaryngology determines the percentage of noise induced hearing loss.

Notice of audiometric test and testing arrangements

19D. (1) The employer of a worker who is required, or who makes a request, to undergo an audiometric test under clause (2) shall give written notice of the test to the worker in the form of Form 18 in Appendix I.

(2) The employer of a worker given a notice under subregulation (1) shall ensure that the worker is not knowingly exposed in the workplace, and the worker shall not knowingly permit himself to be exposed, to noise levels above 80dB(A) during the 16 hours preceding an audiometric test.

(3) A worker given a notice under subregulation (1) shall not, without reasonable excuse, proof of which is on the worker, fail to submit himself for testing so notified.

Calculation of loss of hearing

19E. (1) In section 24A (2) of the Act, loss of hearing means loss of hearing calculated in accordance with the hearing loss tables RB and EB published in Appendices 3 and 7 of Report No. 118 of the National Acoustic Laboratories as annexed in Appendix III.

(2) The method of determining percentage loss of hearing occurring during the interval between 2 audiometric tests shall be by subtraction.

Report on audiometric test and storage of results

19F. (1) A person who carries out an audiometric test shall ensure that the results are prepared and delivered to the Commission and the worker in the form of Form 19 in Appendix I.

(2) The Commission shall, on the written request of the worker tested, communicate the results of an audiometric test delivered to it under clause 4 (2) to any person specified by the worker in that request.

(3) A person who receives the results of an audiometric test under subregulation (2) shall ensure that the results of the test, and any

information derived from those results are not communicated to any person other than the worker except at the written request of the worker tested.

(4) The Commission shall store the results of audiometric tests delivered to it under clause 4 (2) for a period ending the day after the 70th birthday of the worker to whom the results relate.

Reference to medical panel

19G. A worker or employer requesting a reference to a medical panel under clause 6 (1) (b) shall—

(a) request the reference in the form of Form 20 in Appendix I; and

(b) pay to the Executive Director a fee of $50.

Retest of person's hearing

19H. (1) A worker or employer who disputes the results of an audiometric test shall give notice in the form of Form 21 in Appendix I to the Commission.

(2) A retest of a worker's hearing under clause 7 (1) shall be carried out in the manner prescribed under regulation 19C by—

(a) an approved medical practitioner;

(b) an audiologist; or

(c) a medical practitioner registered in the speciality of otorhinolaryngology,

nominated in writing by the Executive Director.

(3) A retest of a worker's hearing under clause 7 (1) may include—

(a) a physical examination; and

(b) any other appropriate investigation the approved medical practitioner or audiologist considers necessary to determine—

(i) whether the worker's hearing loss is noise induced;

(ii) whether the worker's hearing loss is due, or partly due, to ear disease;

(iii) whether the worker's hearing loss is due, or partly due, to a hearing loss which is noise induced but of a type which is not due to the nature of any employment in which the worker was or is engaged; and

(iv) any other causes of the hearing loss.

(4) Having regard to the results obtained under subregulation (3), the medical practitioner registered in the speciality of otorhinolaryngology may determine the noise induced hearing loss of the worker as a binaural noise induced hearing loss expressed as a percentage loss of hearing.

Prescribed workplaces

19I. (1) For the purposes of clause 10 a prescribed workplace is a workplace or part of a workplace where a worker is receiving, or is likely to receive, noise above the action level specified in subregulation (2).

(2) For the purposes of this regulation—

"action level" means—

(a) an L peak of 140dB(lin); or

(b) a representative LAeq,8h of 90dB(A);

"L peak" means the maximum unweighted sound pressure level recorded with an instrument equipped for measuring peak valves in accordance with AS 1259.1-1990;

"representative LAeq,8h" means an 8 hour equivalent continuous A weighted sound pressure level, determined from the assessment of worker exposures that is typical of the operation, work pattern or process being assessed as described in AS 1269-1989 Clause 1.4.7.

PART 4—MISCELLANEOUS ".

Appendix I amended

8. Appendix I to the principal regulations is amended—

(a) in Form 1 by deleting "(Section 24)" and substituting the following—

" (Section 24B) "; and

(b) by inserting the following forms—

8

"

Form 18

(Reg. 19D)

WORKERS' COMPENSATION AND ASSISTANCE ACT 1981
NOTICE OF ARRANGEMENT OF AUDIOMETRIC TEST

TO: .....
(Full Name of Worker)

of: .....

.....
(Full Address of Worker)

Notice is hereby given that I have arranged for you to undergo an audiometric test to be conducted by

.....
(name of person approved under regulation 19B)

of .....
(Full address at which test is to conducted)

at ..... a.m./p.m. on .....

.....
(Signature of person arranging test)

....
(Name of Employer) (date)

NON-ATTENDANCE: A worker shall not, without reasonable excuse, fail to submit himself for an audiometric test of which the worker has notice (regulation 19D (3)).

PERIOD OF QUIET: An employer shall ensure that the worker is not knowingly exposed in the workplace, and the worker shall not knowingly permit himself to be exposed, to noise levels above 80dB(A) during the 16 hours immediately preceding the audiometric test (regulation 19D (3)).

PENALTY: $200.

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FORM 19A

(Reg. 19F)

WORKERS' COMPENSATION AND ASSISTANCE ACT 1981
REPORT OF BASELINE AUDIOMETRIC TEST

TO: EXECUTIVE DIRECTOR, WORKERS' COMPENSATION AND REHABILITATION COMMISSION
Notice is hereby given that I have conducted an audiometric *test/retest of:

EMPLOYEE DETAILS

GIVEN NAMES (in full)

SEX

SURNAME M F

ADDRESS NUMBER AND STREET

SUBURB OR TOWN POST CODE

DATE OF BIRTH

DAY MONTH YEAR HOME PHONE NUMBER WORK PHONE NUMBER

EMPLOYED OR FORMERLY EMPLOYED BY:

FULL NAME OF EMPLOYER

ADDRESS NUMBER AND STREET OF EMPLOYER

SUBURB OR TOWN POST CODE

PREDOMINANT INDUSTRY OF EMPLOYER A. S. I. C. - OFFICE USE

LEVEL OF TEST:

Air-conduction

Full audiological

Medical Panel

PURPOSE OF TEST:

Baseline

10

PLEASE TICK ONE OF THE FOLLOWING IF APPLICABLE:

Commencement with employer ☐
Severance from employer ☐
Retirement ☐
Turning 65 ☐
Voluntary ☐
Re-entry to workforce after retirement ☐

WAUGH AND McCRAE CRITERIA:

Item 1 ☐
Item 2 ☐
Item 3 ☐

OTORHINOLARYNGOLOGICAL EXAMINATION
Please tick ☐
Practitioner:.....
Address:.....
.....
Signature:.....DATE:.....

HEARING TEST RESULTS

HERTZ (Hz)		500	1000	1500	2000	3000	4000	6000	8000
AIR CONDUCTION	RT EAR								
	LT EAR								
BONE CONDUCTION ***	RT EAR								
	LT EAR								

CALCULATED PLH ☐ %

** CALCULATED NOISE INDUCED PLH ☐ %

PERSON CONDUCTING TEST

SURNAME ☐ INITIALS ☐ REG. NO. ☐

EQUIPMENT REG. NO. ☐ BOOTH REG. NO. ☐

I hereby certify, that I have personally conducted an audiometric test in accordance with the Workers' Compensation and Assistance Act and Regulations and to the best of my knowledge and belief the results are true and correct.

SIGNATURE

DATE OF TEST ☐
DAY MONTH YEAR

* Delete which doesn't apply
** Otorhinolaryngologist only
*** Approved Medical Practitioners or Audiologists Only

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FORM 19B

(Reg. 19F)

WORKERS' COMPENSATION AND ASSISTANCE ACT 1981
REPORT OF SUBSEQUENT OR RETIRED/TURNING 65 AUDIOMETRIC TEST

TO: EXECUTIVE DIRECTOR, WORKERS' COMPENSATION AND REHABILITATION COMMISSION
Notice is hereby given that I have conducted an audiometric *test/retest of:

EMPLOYEE DETAILS

GIVEN NAMES (in full)

SEX

SURNAME

M F

FORMER SURNAME IF APPLICABLE

ADDRESS NUMBER AND STREET

SUBURB OR TOWN POST CODE

DATE OF BIRTH

DAY MONTH YEAR HOME PHONE NUMBER WORK PHONE NUMBER

EMPLOYED OR FORMERLY EMPLOYED BY:

FULL NAME OF EMPLOYER

ADDRESS NUMBER AND STREET OF EMPLOYER

SUBURB OR TOWN POST CODE

PREDOMINANT INDUSTRY OF EMPLOYER A. S. I. C. - OFFICE USE

LEVEL OF TEST:

Air-conduction

Full audiological

Medical Panel

PURPOSE OF TEST:

Subsequent

Retired/Turning 65

12

PLEASE TICK ONE OF THE FOLLOWING IF APPLICABLE:

Commencement with employer ☐

Severance from employer ☐

Retirement ☐

Turning 65 ☐

Voluntary ☐

Re-entry to workforce after retirement ☐

OTORHINOLARYNGOLOGICAL EXAMINATION Please tick ☐

Practitioner:.....

Address:.....

.....

Signature:.....DATE:.....

HEARING TEST RESULTS

HERTZ (Hz)		500	1000	1500	2000	3000	4000	6000	8000
AIR CONDUCTION	RT EAR								
	LT EAR								
BONE CONDUCTION ***	RT EAR								
	LT EAR								

CALCULATED PLH ☐ % ** CALCULATED NOISE INDUCED PLH ☐ %

PERSON CONDUCTING TEST

SURNAME ☐ INITIALS ☐ REG. NO. ☐

EQUIPMENT REG. NO. ☐ BOOTH REG. NO. ☐

I hereby certify, that I have personally conducted an audiometric test in accordance with the Workers' Compensation and Assistance Act and Regulations and to the best of my knowledge and belief the results are true and correct.

SIGNATURE

DATE OF TEST

DAY ☐ MONTH ☐ YEAR ☐

* Delete which doesn't apply
** Otorhinolaryngologist only
*** Approved Medical Practitioners or Audiologists Only

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Form 20

(Reg. 19G)

WORKERS' COMPENSATION AND ASSISTANCE ACT 1981
APPLICATION FOR REFERENCE TO MEDICAL PANEL

TO: EXECUTIVE DIRECTOR
WORKERS' COMPENSATION AND
REHABILITATION COMMISSION

NAME OF WORKER: .....

ADDRESS OF WORKER: .....

NAME OF EMPLOYER: .....

ADDRESS OF EMPLOYER: .....

I, being an *employer/worker hereby request that a medical panel be appointed under Clause 6 of Schedule 7 to enquire into and report on the following matters—

**

....
Signature of Applicant Date

* Strike out whichever does not apply.

** Here insert any question that arises concerning the audiometric testing or hearing loss of the worker.

Note: The prescribed fee is $50.00 and must accompany this form.

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Form 21

(Reg. 19H)

WORKERS' COMPENSATION AND ASSISTANCE ACT 1981

NOTICE OF DISPUTE

TO: EXECUTIVE DIRECTOR
WORKERS' COMPENSATION AND
REHABILITATION COMMISSION

NAME OF WORKER: .....

ADDRESS OF WORKER: .....

NAME OF EMPLOYER: .....

ADDRESS OF EMPLOYER: .....

I, being an *employer/worker hereby notify you that I dispute the results of an audiometric test conducted on the above worker on (date...../...../19..... and request that you arrange a retest of hearing under regulation 19H.

....
Signature of Applicant Date

* Strike out whichever does not apply. ".

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Appendix III added

9. After Appendix II to the principal regulations the following appendix is added—

"

APPENDIX III

(Reg. 19E)

REPORT NO. 118 OF THE NATIONAL ACOUSTIC LABORATORIES
APPENDIX 3

BINAURAL TABLES FOR DETERMINING PECENTAGE LOSS OF HEARING

January, 1988

It is recommended that the following procedure be used to assess binaural percentage loss of hearing.

1. Measure the hearing threshold levels (HTLs) of the person at the audiometric frequencies 500, 1000, 1500, 2000, 3000 and 4000 Hz.

2. Determine the better and worse ears at each of these frequencies. At a particular frequency, the better ear is the ear with the smaller HTL. The better ear at one frequency may be the worse at another.

3. Using the HTLs of the better and worse ears, read the percentage loss of hearing (PLH) at each frequency from the appropriate table (Table RB-500, RB-1000, RB-1500, RB-2000, RB-3000 or RB-4000) and add these six values together to obtain the overall binaural PLH.

Example

HEARING THRESHOLD LEVELS

FREQUENCY	RIGHT EAR	LEFT EAR	BETTER EAR	WORSE EAR	PLH
500	40	10	10	40	1.7
1000	45	25	25	45	4.2
1500	50	40	40	50	7.1
2000	55	55	55	55	8.4
3000	60	70	60	70	6.5
4000	65	85	65	85	7.1

OVERALL BINAURAL PLH = 35.0%

TABLE RB - 500

VALUES OF PERCENTAGE LOSS OF HEARING CORRESPONDING TO GIVEN HEARING THRESHOLD LEVELS IN THE BETTER AND WORSE EARS AT 500 HZ

HTL - WORSE EAR	HTL - BETTER EAR																
	≤15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	≥95
≤15	0																
20	0.4	0.6															
25	0.6	1.0	1.4														
30	1.0	1.4	2.0	2.8													
35	1.3	1.8	2.5	3.4	4.5												
40	1.7	2.2	3.0	3.9	5.1	6.4											
45	2.0	2.6	3.4	4.3	5.5	6.8	8.1										
50	2.3	2.9	3.7	4.7	5.8	7.1	8.4	9.7									
55	2.5	3.2	4.0	5.0	6.1	7.3	8.6	9.9	11.2								
60	2.7	3.4	4.2	5.2	6.3	7.5	8.8	10.0	11.3	12.6							
65	2.8	3.5	4.4	5.4	6.5	7.7	8.9	10.2	11.5	12.7	14.0						
70	2.9	3.7	4.5	5.5	6.6	7.8	9.1	10.3	11.6	12.9	14.2	15.5					
75	3.0	3.8	4.7	5.7	6.8	8.0	9.2	10.5	11.8	13.1	14.5	15.7	16.9				
80	3.1	3.9	4.8	5.8	6.9	8.1	9.3	10.6	12.0	13.3	14.7	16.0	17.2	18.2			
85	3.2	4.0	4.9	5.9	7.0	8.2	9.4	10.7	12.1	13.5	14.9	16.2	17.4	18.4	19.1		
90	3.4	4.1	5.0	6.0	7.1	8.3	9.5	10.8	12.2	13.6	15.0	16.3	17.6	18.5	19.2	19.7	
≥95	3.4	4.2	5.1	6.1	7.1	8.3	9.5	10.8	12.2	13.6	15.0	16.4	17.6	18.6	19.3	19.7	20.0

TABLE RB - 1000

VALUES OF PERCENTAGE LOSS OF HEARING CORRESPONDING TO GIVEN

HEARING THRESHOLD LEVELS IN THE BETTER AND WORSE EARS AT 1000 HZ

HTL - WORSE EAR	HTL - BETTER EAR																
	≤15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	≥95
≤15	0																
20	0.5	0.8															
25	0.8	1.2	1.8														
30	1.2	1.7	2.5	3.5													
35	1.7	2.3	3.1	4.3	5.7												
40	2.1	2.8	3.7	4.9	6.3	8.0											
45	2.5	3.3	4.2	5.4	6.9	8.5	10.2										
50	2.8	3.6	4.7	5.9	7.3	8.8	10.5	12.1									
55	3.1	3.9	5.0	6.2	7.6	9.1	10.7	12.4	14.0								
60	3.3	4.2	5.3	6.5	7.9	9.4	11.0	12.6	14.2	15.7							
65	3.5	4.4	5.5	6.7	8.1	9.6	11.2	12.8	14.4	15.9	17.5						
70	3.7	4.6	5.7	6.9	8.3	9.8	11.3	12.9	14.6	16.2	17.8	19.4					
75	3.8	4.7	5.8	7.1	8.5	10.0	11.5	13.1	14.8	16.4	18.1	19.7	21.1				
80	3.9	4.9	6.0	7.3	8.6	10.1	11.7	13.3	15.0	16.7	18.4	20.0	21.5	22.7			
85	4.1	5.0	6.2	7.4	8.8	10.3	11.8	13.4	15.1	16.9	18.6	20.3	21.7	23.0	23.9		
90	4.2	5.2	6.3	7.5	8.9	10.3	11.9	13.5	15.2	17.0	18.7	20.4	21.9	23.2	24.1	24.6	
≥95	4.3	5.3	6.4	7.6	8.9	10.3	11.9	13.5	15.2	17.0	18.7	20.5	22.0	23.3	24.2	24.7	25.0

TABLE RB - 1500

VALUES OF PERCENTAGE LOSS OF HEARING CORRESPONDING TO GIVEN HEARING THRESHOLD LEVELS IN THE BETTER AND WORSE EARS AT 1500 HZ

HTL - WORSE EAR	HTL - BETTER EAR																
	≤15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	≥95
≤15	0																
20	0.4	0.6															
25	0.6	1.0	1.4														
30	1.0	1.4	2.0	2.8													
35	1.3	1.8	2.5	3.4	4.5												
40	1.7	2.2	3.0	3.9	5.1	6.4											
45	2.0	2.6	3.4	4.3	5.5	6.8	8.1										
50	2.3	2.9	3.7	4.7	5.8	7.1	8.4	9.7									
55	2.5	3.2	4.0	5.0	6.1	7.3	8.6	9.9	11.2								
60	2.7	3.4	4.2	5.2	6.3	7.5	8.8	10.0	11.3	12.6							
65	2.8	3.5	4.4	5.4	6.5	7.7	8.9	10.2	11.5	12.7	14.0						
70	2.9	3.7	4.5	5.5	6.6	7.8	9.1	10.3	11.6	12.9	14.2	15.5					
75	3.0	3.8	4.7	5.7	6.8	8.0	9.2	10.5	11.8	13.1	14.5	15.7	16.9				
80	3.1	3.9	4.8	5.8	6.9	8.1	9.3	10.6	12.0	13.3	14.7	16.0	17.2	18.2			
85	3.2	4.0	4.9	5.9	7.0	8.2	9.4	10.7	12.1	13.5	14.9	16.2	17.4	18.4	19.1		
90	3.4	4.1	5.0	6.0	7.1	8.3	9.5	10.8	12.2	13.6	15.0	16.3	17.6	18.5	19.2	19.7	
≥95	3.4	4.2	5.1	6.1	7.1	8.3	9.5	10.8	12.2	13.6	15.0	16.4	17.6	18.6	19.3	19.7	20.0

TABLE RB - 2000

VALUES OF PERCENTAGE LOSS OF HEARING CORRESPONDING TO GIVEN

HEARING THRESHOLD LEVELS IN THE BETTER AND WORSE EARS AT 2000 HZ

HTL - BETTER EAR

HTL - WORSE EAR	≤15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	≥95
≤15	0																
20	0.3	0.5															
25	0.5	0.7	1.1														
30	0.7	1.0	1.5	2.1													
35	1.0	1.4	1.9	2.5	3.4												
40	1.3	1.7	2.2	2.9	3.8	4.8											
45	1.5	1.9	2.5	3.3	4.1	5.1	6.1										
50	1.7	2.2	2.8	3.5	4.4	5.3	6.3	7.3									
55	1.9	2.4	3.0	3.7	4.6	5.5	6.4	7.4	8.4								
60	2.0	2.5	3.1	3.9	4.7	5.6	6.6	7.5	8.5	9.4							
65	2.1	2.6	3.3	4.0	4.9	5.7	6.7	7.6	8.6	9.6	10.5						
70	2.2	2.7	3.4	4.1	5.0	5.9	6.8	7.8	8.7	9.7	10.7	11.6					
75	2.3	2.8	3.5	4.3	5.1	6.0	6.9	7.9	8.9	9.9	10.8	11.8	12.7				
80	2.4	2.9	3.6	4.4	5.2	6.1	7.0	8.0	9.0	10.0	11.0	12.0	12.9	13.6			
85	2.4	3.0	3.7	4.4	5.3	6.1	7.1	8.1	9.1	10.1	11.1	12.1	13.0	13.8	14.3		
90	2.5	3.1	3.8	4.5	5.3	6.2	7.1	8.1	9.1	10.2	11.2	12.2	13.2	13.9	14.4	14.8	
≥95	2.6	3.2	3.8	4.6	5.4	6.2	7.1	8.1	9.1	10.2	11.3	12.3	13.2	14.0	14.5	14.8	15.0

TABLE RB - 3000

VALUES OF PERCENTAGE LOSS OF HEARING CORRESPONDING TO GIVEN HEARING THRESHOLD LEVELS IN THE BETTER AND WORSE EARS AT 3000 HZ

HTL - WORSE EAR	HTL - BETTER EAR																
	≤15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	≥95
≤15	0																
20	0.2	0.3															
25	0.3	0.5	0.7														
30	0.5	0.7	1.0	1.4													
35	0.7	0.9	1.2	1.7	2.3												
40	0.8	1.1	1.5	2.0	2.5	3.2											
45	1.0	1.3	1.7	2.2	2.7	3.4	4.1										
50	1.1	1.4	1.9	2.3	2.9	3.5	4.2	4.8									
55	1.2	1.6	2.0	2.5	3.0	3.6	4.3	4.9	5.6								
60	1.3	1.7	2.1	2.6	3.1	3.7	4.4	5.0	5.6	6.3							
65	1.4	1.8	2.2	2.7	3.2	3.8	4.4	5.1	5.7	6.4	7.0						
70	1.5	1.8	2.3	2.8	3.3	3.9	4.5	5.2	5.8	6.5	7.1	7.7					
75	1.5	1.9	2.3	2.8	3.4	4.0	4.6	5.2	5.9	6.6	7.2	7.8	8.4				
80	1.6	2.0	2.4	2.9	3.4	4.0	4.7	5.3	6.0	6.6	7.3	8.0	8.6	9.1			
85	1.6	2.0	2.5	3.0	3.5	4.1	4.7	5.4	6.0	6.7	7.4	8.1	8.7	9.2	9.5		
90	1.7	2.1	2.5	3.0	3.5	4.1	4.7	5.4	6.1	6.8	7.5	8.2	8.8	9.2	9.6	9.8	
≥95	1.7	2.1	2.6	3.0	3.6	4.1	4.7	5.4	6.1	6.8	7.5	8.2	8.8	9.3	9.6	9.8	10.0

TABLE EB - 4000

VALUES OF PERCENTAGE LOSS OF HEARING CORRESPONDING TO GIVEN HEARING THRESHOLD LEVELS IN THE BETTER AND WORSE EARS AT 4000 HZ.

HTL - WORSE EAR	HTL - BETTER EAR															
	≦20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	≧95
≦20	0															
25	0.1	0.2														
30	0.2	0.3	0.5													
35	0.3	0.4	0.6	0.9												
40	0.4	0.5	0.8	1.0	1.5											
45	0.5	0.7	0.9	1.2	1.6	2.1										
50	0.6	0.8	1.0	1.4	1.7	2.2	2.6									
55	0.6	0.8	1.1	1.5	1.8	2.2	2.7	3.1								
60	0.7	0.9	1.2	1.5	1.9	2.3	2.7	3.2	3.6							
65	0.7	1.0	1.3	1.6	2.0	2.4	2.8	3.2	3.6	4.0						
70	0.8	1.0	1.3	1.6	2.0	2.4	2.8	3.2	3.7	4.1	4.5					
75	0.8	1.1	1.4	1.7	2.1	2.5	2.9	3.3	3.7	4.1	4.5	4.9				
80	0.9	1.1	1.4	1.7	2.1	2.5	2.9	3.3	3.8	4.2	4.6	5.0	5.3			
85	0.9	1.2	1.4	1.8	2.1	2.5	2.9	3.4	3.8	4.3	4.7	5.1	5.4	5.7		
90	0.9	1.2	1.5	1.8	2.2	2.6	3.0	3.4	3.8	4.3	4.7	5.1	5.5	5.7	5.9	
≧95	1.0	1.2	1.5	1.8	2.2	2.6	3.0	3.4	3.9	4.3	4.8	5.2	5.5	5.7	5.9	6.0

TABLE EB - 6000

VALUES OF PERCENTAGE LOSS OF HEARING CORRESPONDING TO GIVEN HEARING THRESHOLD LEVELS IN THE BETTER AND WORSE EARS AT 6000 HZ.

HTL - BETTER EAR

HTL - WORSE EAR	≤25	30	35	40	45	50	55	60	65	70	75	80	85	90	≥95
≤25	0														
30	0.1	0.2													
35	0.2	0.3	0.4												
40	0.3	0.4	0.5	0.7											
45	0.3	0.4	0.6	0.8	1.0										
50	0.4	0.5	0.7	0.9	1.1	1.3									
55	0.4	0.5	0.7	0.9	1.1	1.3	1.5								
60	0.4	0.6	0.7	0.9	1.1	1.4	1.6	1.8							
65	0.5	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0						
70	0.5	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.2					
75	0.5	0.7	0.8	1.0	1.2	1.4	1.7	1.9	2.1	2.3	2.5				
80	0.6	0.7	0.9	1.1	1.3	1.5	1.7	1.9	2.1	2.3	2.5	2.7			
85	0.6	0.7	0.9	1.1	1.3	1.5	1.7	1.9	2.1	2.3	2.5	2.7	2.8		
90	0.6	0.7	0.9	1.1	1.3	1.5	1.7	1.9	2.2	2.4	2.6	2.7	2.8	2.9	
≥95	0.6	0.8	0.9	1.1	1.3	1.5	1.7	1.9	2.2	2.4	2.6	2.7	2.8	2.9	3.0

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APPENDIX 7
BINAURAL EXTENSION TABLES

January 1988

These tables replace Table RB-4000 in the binaural tables given in Appendix 3 when it is necessary to determine binaural PLH over the range 500 to 8000 Hz. The weighting of 10% given to 4000 Hz in Appendix 3 has been split between 4000, 6000 and 8000 Hz, with 4000 Hz receiving 6%, 6000 Hz 3% and 8000 Hz 1%. When determining binaural PLH over the range 500 to 8000 Hz, the appropriate tables from Appendix 3 are used for the frequencies 500, 1000, 1500, 2000 and 3000 Hz and the relevant tables given in this Appendix are used for the frequencies 4000, 6000 and 8000 Hz.

Example

HEARING THRESHOLD LEVELS

FREQUENCY	RIGHT EAR	LEFT EAR	BETTER EAR	WORSE EAR	PLH
500	40	10	10	40	1.7
1000	45	25	25	45	4.2
1500	50	40	40	50	7.1
2000	55	55	55	55	8.4
3000	60	70	60	70	6.5
4000	65	85	65	85	4.3
6000	55	75	55	75	1.7
8000	45	65	45	65	0.4

OVERALL BINAURAL PLH = 34.3%

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TABLE EB - 8000

VALUES OF PERCENTAGE LOSS OF HEARING CORRESPONDING TO GIVEN HEARING THRESHOLD LEVELS IN THE BETTER AND WORSE EARS AT 8000 HZ.

HTL - WORSE EAR	HTL - BETTER EAR												
	≤30	35	40	45	50	55	60	65	70	75	80	85	≥90
≤30	0												
35	0.1	0.1											
40	0.1	0.2	0.2										
45	0.1	0.2	0.3	0.3									
50	0.2	0.2	0.3	0.3	0.4								
55	0.2	0.2	0.3	0.4	0.4	0.5							
60	0.2	0.2	0.3	0.4	0.4	0.5	0.6						
65	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.7					
70	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.7	0.7				
75	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.7	0.8	0.8			
80	0.2	0.3	0.3	0.4	0.5	0.6	0.6	0.7	0.8	0.8	0.9		
85	0.2	0.3	0.4	0.4	0.5	0.6	0.6	0.7	0.8	0.8	0.9	0.9	
≥90	0.2	0.3	0.4	0.4	0.5	0.6	0.6	0.7	0.8	0.8	0.9	0.9	1.0

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Dated 19 February 1991.
By His Excellency's Command,

D. G. BLIGHT,
Clerk of the Council.

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