

Hearing loss prevention program (HLPP) management



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CSA Z1007:22
March 2022

Title: *Hearing loss prevention program (HLPP) management*

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Published in March 2022 by CSA Group
A not-for-profit private sector organization
178 Rexdale Boulevard, Toronto, Ontario, Canada M9W 1R3

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ICS 13.340.20; 13.140
ISBN 978-1-4883-4205-9

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Contents

Technical Committee on Occupational Hearing Conservation	5
Preface	8
0 Introduction	9
0.1 General	9
0.2 Noise as an occupational health hazard	9
0.3 Elements of a hearing loss prevention program (HLPP)	9
0.4 Content of this Standard	10
0.5 Sources of occupational hearing loss	11
0.6 Non-occupational exposures	12
0.7 Effects of workplace noise and hearing loss prevention	12
0.8 Users	13
0.9 Application	14
1 Scope	14
1.1 Inclusions	14
1.2 Related Standards	14
1.3 Exclusions	15
1.4 Terminology	15
2 Reference publications	15
3 Definitions and abbreviations	18
3.1 Definitions	18
3.2 Abbreviations	22
4 Roles and responsibilities in the hearing loss prevention program (HLPP)	23
4.1 General	23
4.2 Organization role and responsibilities	23
4.2.1 Organization role	23
4.2.2 Organization responsibilities	23
4.2.3 Worker participation and consultation	24
4.3 Management's role and responsibility	24
4.4 HLPP administrator	25
4.4.1 General	25
4.4.2 Role of the HLPP administrator	25
4.4.3 Responsibilities of the HLPP administrator	25
4.5 Worker role and responsibilities	25
5 Detecting hazards and assessing risk	26
5.1 Noise hazard detection methodology and rationale	26
5.1.1 Assessment process overview	26
5.1.2 Monitoring	26
5.2 Noise source identification	26
5.3 Noise hazard quantification	27
5.4 Noise exposure measurement	27

5.4.1	General	27
5.4.2	Adjustments for length of work shifts	27
5.5	Risk assessment	29
5.6	Interacting factors	29
5.6.1	Exposure to ototoxic substances	29
5.6.2	Exposure to hand-arm and whole-body vibration	29
5.6.3	Influences in combination	29
5.6.4	Exposure to infrasound and ultrasound	30
6	Controlling noise exposure	30
6.1	General	30
6.2	Hierarchy of controls	30
6.3	Engineering controls — Reducing the noise hazard at its source	30
6.3.1	General	30
6.3.2	Design goal	31
6.3.3	Specifying and purchasing quiet equipment	31
6.3.4	Building quiet workplaces	31
6.3.5	Responsibility	31
6.4	Administrative controls	32
6.5	Personal protective equipment (PPE)	33
7	Hearing protection devices (HPDs)	33
7.1	General	33
7.1.1	Overview	33
7.1.2	Hearing protection strategy	33
7.2	Provision of HPDs	34
7.2.1	General	34
7.2.2	Issuing and implementation	34
7.2.3	Selection criteria for HPDs	35
7.3	Use, fitting, and maintenance of HPDs	40
7.3.1	General	40
7.3.2	Examination of the ear	40
7.3.3	Use and fitting of earplugs	40
7.3.4	Use and fitting of earmuffs	44
7.3.5	Use and fitting of helmets	45
7.3.6	Inspection and maintenance of HPDs	46
7.4	Evaluation of the effective noise level when HPDs are worn	47
7.4.1	General	47
7.4.2	Assigning HPDs based on noise level or exposure and attenuation	48
7.4.3	Double protection	52
7.4.4	Special noise types	53
7.5	Field attenuation estimation systems (FAESs)	54
7.5.1	General	54
7.5.2	Types of fit-testing systems	54
7.5.3	Fit-testing outputs/PAR	54
7.5.4	Uses of FAESs	55
7.5.5	Fit testing implementation	56
7.5.6	Limitations of fit testing and PAR assessment	57

8	Audiometric testing (hearing tests)	58
8.1	Audiometric testing programs	58
8.1.1	General	58
8.1.2	Types of audiometric tests	58
8.1.3	Determination of a change in hearing	58
8.2	Provision of audiometric tests	59
8.2.1	General	59
8.2.2	Reference audiometric test	59
8.2.3	Monitoring (surveillance) audiograms	59
8.2.4	Exit audiogram	60
8.3	Audiometric technician	60
8.3.1	Requirements	60
8.3.2	Additional requirements	61
8.4	Use of the audiometric test results	61
9	Hazard communication	62
9.1	Warning signs	62
9.2	Notification to workers	62
10	Training	63
10.1	General	63
10.2	Worker training	63
10.3	Specialty training requirements	63
10.4	Additional considerations	63
11	Record keeping	64
11.1	Workplace records	64
11.2	Worker records	64
11.3	Transfer of records	64
12	Monitoring the HLPP's performance	64
12.1	General	64
12.2	Annual review of component	65
12.3	Evaluating the effectiveness of the program	65
13	Special challenges	66
13.1	General	66
13.2	Intentionally loud workplace noise	66
13.3	Transient or seasonal workforce	67
13.3.1	Implementation factors	67
13.3.2	Transient or seasonal workforce exposed to hazardous noise	67
13.4	Hearing aids in hazardous noise	67
<hr/>		
	Annex A (informative) — Application of the “Plan-Do-Check-Act” management theory	69
	Annex B (informative) — Ototoxicity	71
	Annex C (informative) — Hand-arm and whole-body vibration exposure and hearing loss	73
	Annex D (informative) — Engineering controls	74
	Annex E (informative) — Sample sound level map	77
	Annex F (informative) — Periodic assessment of HLPP performance	78

Annex G (informative) — Risk assessment	81
Annex H (informative) — Explanation of dBA and dBC	83
Annex I (informative) — Types and features of HPDs	84
Annex J (informative) — Safety concerns for workers with hearing loss	91
Annex K (informative) — Management of noise exposure in underwater environments	93

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The Technical Committee would like to recognize J. M. Cousineau for his contributions to the development of this Standard before his passing.

Preface

This is the second edition of CSA Z1007, *Hearing loss prevention program (HLPP) management*. It supersedes the previous edition published in 2016.

This new edition contains major changes in all aspects of HLPP (see Clauses [1](#) to [13](#)).

CSA Group acknowledges that the development of this Standard was made possible, in part, by the financial support of the Canadian Association of Administrators of Labour Law — Occupational Safety and Health (CAALL-OSH), including Provincial and Territorial Governments, as well as the Government of Canada. CSA Group is solely responsible for the content of this Standard, and CSA Group and the funding bodies disclaim any liability in connection with the use of the information contained herein.

This Standard was prepared by the Technical Committee on Occupational Hearing Conservation under the jurisdiction of the Strategic Steering Committee on Occupational Health and Safety, and has been formally approved by the Technical Committee.

This Standard has been developed in compliance with Standards Council of Canada requirements for National Standards of Canada. It has been published as a National Standard of Canada by CSA Group.

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CSA Z1007:22

Hearing loss prevention program (HLPP) management

0 Introduction

0.1 General

This Standard sets out requirements for, and provides comprehensive guidance on, the management of HLPPs designed to protect workers exposed to occupational noise.

This Standard is designed to serve as the basis for other CSA Group hearing conservation standards. Once effective management for the HLPP is established using this Standard, professionals involved in the HLPP can use detailed requirements and application guidelines in those other standards for specifying equipment and processes to be incorporated in the HLPP.

This Standard strikes a balance between the latest best practices in hearing loss prevention and current regulations in various Canadian jurisdictions. Some of the requirements, therefore, are more stringent than existing regulations.

0.2 Noise as an occupational health hazard

Noise is one of the most common occupational health hazards and a widespread problem in many workplaces. Extended exposure to high noise levels presents a hazard to hearing. Noise can also have other adverse effects, such as interfering with speech communication, reducing perception of warning sounds, causing tinnitus, increasing stress, and cardiovascular effects (e.g., changes in heart rate, increasing blood pressure, and other systemic effects). Hearing loss has a significant impact on the worker's life for which professional advice and counselling might be necessary.

0.3 Elements of a hearing loss prevention program (HLPP)

This Standard outlines the components of the HLPP for the administrator (referred to hereinafter as the "administrator") of the program in order to manage an effective HLPP. CSA Z1007 is designed to guide the person responsible for worker health and safety or the business owner in establishing and managing an HLPP. This Standard also follows the "Plan, Do, Check, and Act" cycle detailed in Annex [A](#).

An HLPP starts with the identification of a noise hazard. This identification can be as simple as noticing that it is hard to converse in a raised voice in an area or during a particular process. Once a noise hazard is suspected, the following processes are used to set up an effective HLPP (see Figure [1](#)):

- a) perform noise exposure measurements throughout the workplace;
- b) control noise exposure;
- c) provide appropriate hearing protection devices (HPDs);
- d) perform audiometric testing;
- e) post warning signs to identify noise hazard areas in the workplace;
- f) train the workforce on hazards of noise exposure, audiometric testing, and proper use of HPDs both on and off the job;
- g) keep records of all aspects of the HLPP; and
- h) implement a review process for the HLPP to monitor the program's performance.