

SS 657 : 2020
(ICS 13.140)

SINGAPORE STANDARD

Code of practice for workplace noise control

(Formerly CP 99)

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Absolute Instrument Systems Pte Ltd

Association of Singapore Marine Industries

ChemTech Speciality & Engineering Industries

Environmental Engineering Society of Singapore

Ministry of Manpower

The Singapore Contractors Association Ltd

Singapore Institution of Safety Officers

The Institution of Engineers, Singapore

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Foreword

This Singapore Standard was prepared by the Working Group on Code of practice for industrial noise control set up by the Technical Committee on Workplace Safety and Health under the purview of QSSC.

It is a revision of Singapore Standard CP 99 : 2003 “Code of practice for industrial noise control” and has been re-designated as SS 657 : 2020.

The summary of changes is as follows:

- a) Inclusion of noise risk management;
- b) Inclusion of ultrasound;
- c) Expansion of plant planning to include new plants and noise hazard management at workplaces;
- d) Inclusion of Annex N for sample checklist on noise hazard identification;
- e) Inclusion of Annex O for Noise exposure / Dose calculation chart;
- f) Inclusion of Annex P for list of noise control measures;
- g) Inclusion of Annex Q for noise monitoring and measurements;
- h) Alignment with current industry practices.

For more information on the protection of site personnel against noise-induced hearing loss, refer to SS 602, “Code of practice for noise control on construction and demolition sites”.

It is presupposed that in the course of their work, users will comply with all relevant regulatory and statutory requirements. Some examples of relevant regulations and acts are listed in the Bibliography. The Singapore Standards Council and Enterprise Singapore will not be responsible for identifying all of such legal obligations.

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- The annexes, except for Annex F, Annex O, Annex N, Annex Q and Annex R, were reproduced from Guidelines for Noise Control and Vibration 2003, Ministry of Manpower.
- The sample checklist for noise hazard identification in Annex N, Workplace Safety and Health Council.
- Figure O.1 on partial noise calculation chart, Acviron Acoustics Consultants Pte Ltd.
- Table R.1 is adapted with permission from ACGIH®, 2019 TLVs® and BEIs® book. Copyright 2019. (See “Statement of Position Regarding the TLVs® and BEIs®” at <https://www.acgih.org/tlv-bei-guidelines/policies-procedures-presentations/tlv-bei-position-statement> and “Policy Statement on the Uses of TLVs® and BEIs®” at <https://www.acgih.org/tlv-bei-guidelines/policies-procedures-presentations/tlv-bei-policy-statement>)

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Code of practice for workplace noise control

1 Scope

1.1 This standard provides guidance and recommendations on risk assessment, monitoring and control of workplace noise. This standard is applicable to all workplaces where persons are exposed or likely to be exposed to excessive noise.

1.2 This standard does not cover community noise and environmental noise such as noise from construction, public entertainment and transportation. For environmental noise control at construction and demolition sites, refer to SS 602.

2 Normative references

The following referenced documents are indispensable for the application of this standard. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 61672-1	Electroacoustics Sound level meters. Part 1 Specifications
IEC 61252	Electroacoustics – Specifications for personal sound exposure meters
SS 549	Code of practice for selection, use, care and maintenance of hearing protectors