## ISO 11690-1:2020 (E)

Acoustics — Recommended practice for the design of low-noise workplaces containing machinery — Part 1: Noise control strategies

## **Contents**

	For	eword	
	Intr	oduction	
1	Sco	Scope	
2	Nor	Normative references	
3	Terr	Terms and definitions	
	3.1 3.2 3.3 3.4	General noise descriptors Noise emission descriptors Noise immission and noise exposure Noise reduction	
4	Bas	ic concepts in noise control	
	4.1 4.2	Basic noise control strategy Concept of noise reduction	
5	Ass	Assessment of the noise situation	
	5.1 5.1.1 5.1.2 5.2 5.3	Quantities for noise emission, noise immission and noise exposure Noise emission quantities [see 3.2 and Figure 1 a)] Noise immission and noise exposure quantities [see 3.3 and Figures 1 b), 1 c) and 2] Description of the noise situation Use of noise information sheets and noise maps	
6	Part	ties involved	
7	Hov	How to tackle noise problems in workplaces	
	7.1 7.2 7.2.1 7.2.2 7.2.3 7.2.3.1 7.2.3.2 7.2.3.3 7.2.4 7.2.5 7.3	Noise control objectives Principles of noise control planning for new and existing workplaces General Preliminary planning and design stage Planning and design stage Determination of noise emission values Estimation of sound propagation parameters of the room and of noise immission levels Selection of noise control measures Implementation stage Assessment and acceptance stage Dealing with existing noise problems	
8	What to do before buying a new machine		
	8.1 8.2 8.3 8.4 8.5 8.6 8.7	Questions that a potential buyer should consider What information to request from potential suppliers Declared and additional noise emission values Meaning and use of noise emission values Requirements for noise immission levels Verification of declared noise emission and/or noise immission levels Developments	
9	Nois	Noise prediction as a planning tool	
10 Long		g-term noise control programme	