ISO 22955:2021 (E)

Acoustics — Acoustic quality of open office spaces

Contents

6.1

	Fore	eword		
	Intro	oduction		
1	Sco	ре		
2	Nor	mative references		
3	Terr	Terms and definitions		
-				
	3.1	General terms		
	3.2 3.3	Terms related to the workspace layout Terms related to acoustics		
	3.3 3.4	Acoustic descriptors and related terms		
		•		
4		eral approach		
	4.1 4.2	Introduction to the general approach Methodology		
5	Type	ology, acoustic challenges and requirements		
	5.1	General		
	5.2 5.2.1	Space type 1: activity not known yet – vacant floor plate Description		
	5.2.1	Noise environment characterising this type of space		
	5.2.3	Acoustic challenges		
	5.3	Space type 2: activity mainly focusing on outside of the room communication		
	0.0	(by telephone/audio/video)		
	5.3.1	Description of the activity		
	5.3.2	Noise environment characterising this type of space		
	5.3.3	Acoustic challenges		
	5.3.4	Acoustic indicators and values		
	5.4	Space type 3: activity mainly based on collaboration between people at nearest		
		workstation		
	5.4.1	Description of activity		
	5.4.2 5.4.3	Noise environment characterising this type of space Acoustic challenges		
	5.4.3 5.4.4	Acoustic indicators and values		
	5.5	Space type 4: activity based on a small amount of collaborative work		
	5.5.1	Description of activity		
	5.5.2	Noise environment characterising this type of space		
	5.5.3	Acoustic challenges		
	5.5.4	Acoustic indicators and values		
	5.6	Space type 5: activity that can involve receiving public		
	5.6.1	Description of activity		
	5.6.2	Noise environment characterising this type of space		
	5.6.3	Acoustic challenges		
	5.6.4 5.7	Acoustic indicators and values		
	5.7 5.7.1	Space type 6: combining activities within the same space Description of activities		
	5.7.1 5.7.2	Source/receiver		
	5.7.3	Noise environment characterizing this type of space		
	5.7.4	Acoustic challenges		
	5.7.5	Acoustic indicators and values		
6	Wor	kspace layout and room acoustics		

Dimensions and geometry of open-plan space

6	6.2	Position of support spaces with respect to open-plan space	
6	3.3	Distance between workstations in open-plan spaces	
6	3.4	Principles of room acoustic treatment	
6	3.4.1	General	
6	3.4.2	Ceiling treatment	
6	3.4.3	Wall treatment	
6	3.4.4	Floor treatment	
	3.5	Effect of type of furniture	
-	3.5.1	Principle	
-	6.5.2 6.6	Screen fixed to worktop (low divider), free-standing screens and suspended screens Accessibility and special needs	
Annex A	Α (normative) Detailed definition and measurement method of the DA,S parameter	
A	٩.1	Detailed definition	
Į.	٩.2	Measurement method	
Annex I	В (normative) Flow chart summarising the approach	
_	3.1 3.2	Open-plan space refitting project Open-plan space layout project (new construction project or spaces delivered unfurnished)	
Annex	С ((informative) Collective use of open-plan spaces: etiquette	
Annex I	D (informative) Example of a user survey on open-plan office acoustics	
Annex I	_ ,	informative) Minimum requirements for measuring workstation noise level, LAeq,T during ar activity	
E	Ξ.1	Measurement time	
E	Ξ.2	Measurement conditions	
E	Ξ.3	Results	
E	Ξ. 4	Measuring equipment	
Annex I	F (informative) Sound masking systems	
Annex	G (informative) Acoustic indicators and values when the activity isn't known yet	

Page count: 39