

ISO 3382-3:2022-01 (E)

Acoustics - Measurement of room acoustic parameters - Part 3: Open plan offices

Contents

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Measurement conditions	3
4.1 Equipment	3
4.2 Measurement procedure	3
4.2.1 Measurement conditions	3
4.2.2 Acoustic zones and measurement paths	3
4.2.3 Source and microphone positions	4
4.2.4 Measured quantities	5
5 Determination of single-number values	5
5.1 Spectrum of normal speech	5
5.2 Spatial decay rate of speech	5
5.2.1 Conventional method	5
5.2.2 Impulse response method	8
5.3 Speech level at 4 m distance	8
5.4 Background noise level	9
5.5 Speech transmission index	9
5.6 Comfort distance and distraction distance	10
5.7 Typical single-number values	10
6 Precision	10
7 Test report	10
Annex A (informative) Psychological reasoning of distraction distance	12
Annex B (informative) Alternative methods for determining the spatial decay rate	13
Annex C (informative) Examples of typical single-number values	15
Annex D (informative) Precision	16
Bibliography	17