

ISO 16976-7:2023-03 (E)

Respiratory protective devices - Human factors - Part 7: Hearing and speech

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions, and abbreviated terms	1
3.1	Terms and definitions	1
3.2	Abbreviated terms	2
4	Range of hearing and speech	2
5	Measurement of sound pressure	3
6	Physiology of the ear	3
6.1	General	3
6.2	Outer ear	4
6.3	Middle ear	4
6.4	Inner ear	5
7	Hearing loss	5
7.1	Conductive hearing loss	5
7.2	Ototoxicity	5
7.3	Presbycusis	5
7.4	Noise induced hearing loss (NIHL)	5
7.5	Other types of hearing loss	6
7.6	Other effects of noise	6
7.6.1	General	6
7.6.2	Effects on the wearer	6
8	Noise exposure limits	8
8.1	Workplace exposure levels and durations	8
8.2	Peak limit value	11
9	Speech and hearing difficulties	11
Bibliography		13