

ISO/TS 16976-7:2020-01 (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		4
6.1 General		4
6.2 Outer ear		5
6.3 Middle ear		5
6.4 Inner ear		6
7 Hearing loss		6
7.1 Conductive hearing loss		6
7.2 Ototoxicity		6
7.3 Presbycusis		6
7.4 Noise induced hearing loss (NIHL)		6
7.5 Other types of hearing loss		7
7.6 Other effects of noise		7
7.6.1 General		7
7.6.2 Effects on the wearer		7
8 Noise exposure limits		9
8.1 Workplace exposure levels and durations		9
8.2 Peak limit value		12
9 Speech and hearing difficulties		12
Bibliography		13