

ISO 1999:2013-10 (E)

Acoustics - Estimation of noise-induced hearing loss

Contents	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 Principle	3
5 Description and measurement of noise exposure	3
6 Prediction of the effects of noise on hearing threshold	4
6.1 Statistical distribution of hearing threshold levels of a noise-exposed population	4
6.2 Databases for hearing threshold levels associated with age (HTLA)	4
6.3 Calculation of noise-induced permanent threshold shift, N	5
7 Assessment of noise-induced hearing loss and disability	8
7.1 Hearing loss	8
7.2 Hearing disability	8
7.3 Risk of hearing disability	8
Annex A (informative) Calculation of database A, statistical distribution of hearing thresholds as a function of age (HTLA) for an otologically normal population (highly screened)	10
Annex B (informative) Examples for database B	13
Annex C (informative) Example of assessment of risk of noise-induced hearing loss and disability	17
Annex D (informative) Tables with examples for NIPTS data	20
Bibliography	22