

Contents

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Gun and ammunition	5
4.1 General	5
4.2 Gun	5
4.3 Ammunition	6
4.4 Ballistic parameters	7
4.5 Test situation	8
4.6 Other features	8
5 Basic concept for measurement and analysis	8
5.1 General	8
5.2 Quantity to be measured	10
5.3 Angular source energy distribution level	10
5.4 Interpolated angular source energy distribution level	11
5.5 Source energy level	11
5.6 Directivity	11
6 Measurement site	12
6.1 Site	12
6.2 Weather conditions	12
7 Measurement planning	12
7.1 General remarks	12
7.2 Gun	12
7.3 Measurement position	12
7.4 Measurement equipment	13
7.5 Dealing with projectile sound	13
8 Calibration and validation	13
9 Measurement procedures	14
9.1 General	14
9.2 Ground reflection correction	14
10 Control of measurement layout	14
11 Measurement uncertainty	15
11.1 General	15
11.2 Empirical part	15
12 Report	16
Annex A (informative) Small arms glossary	17
Annex B (informative) Example	28
Annex C (informative) Guidance on the measurement uncertainty	36
Bibliography	39