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SIST EN ISO 22476-15:2016

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Geotehnično preiskovanje in preskušanje - Preskušanje na terenu - 15. del: Meritve ob vrtanju (ISO 22476-15:2016)

Geotechnical investigation and testing - Field testing - Part 15: Measuring while drilling (ISO 22476-15:2016)

Geotechnische Erkundung und Untersuchung - Felduntersuchungen - Teil 15: Aufzeichnung der Bohrparameter (ISO 22476-15:2016)

Reconnaissance et essais - Essais de sol - Partie 15: Enregistrement des paramètre de forages (ISO 22476-15:2016)

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Geotechnische Erkundung und Untersuchung - Felduntersuchungen - Teil 15: Aufzeichnung der Bohrparameter (ISO 22476-15:2016)

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Contents

Page

European foreword **3**

European foreword

This document (EN ISO 22476-15:2016) has been prepared by CEN/TC 341 "Geotechnical Investigation and Testing", the secretariat of which is held by BSI, in collaboration with Technical Committee ISO/TC 182 "Geotechnics".

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by February 2017, and conflicting national standards shall be withdrawn at the latest by February 2017.

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Contents

Page

Foreword ... **iv**
Introduction ... **v**
1 Scope ... **1**
2 Normative references ... **1**
3 Terms and definitions ... **1**
4 Symbols ... **2**
5 Equipment ... **3**
5.1 General ... 3
5.2 Drilling equipment ... 4
5.3 Measuring system ... 4
5.3.1 General ... 4
5.3.2 Sensors for hydraulic pressures ... 5
5.3.3 Measuring system for penetration length ... 5
5.3.4 Measuring system for flushing medium flow ... 5
5.3.5 Measuring system for rotational speed ... 5
5.3.6 Measuring of hammering energy ... 6
5.3.7 Reflected vibrations ... 6
5.3.8 Time ... 6
5.4 Selection of measured parameters ... 6
5.5 Factors influencing MWD results ... 7
5.5.1 Tool influence ... 7
5.5.2 Drilling rig influence ... 7
5.5.3 Operator influence ... 7
6 Test procedures ... **7**
6.1 General ... 7
6.2 Position and level of drill rig ... 8
6.3 Preparation of the measurement ... 8
6.4 Drilling procedure ... 8
6.5 Frequency of logging parameters ... 9
6.6 Registration of penetration length ... 9
6.7 Test completion ... 9
6.8 Equipment checks and calibrations ... 10
7 Test results ... **10**
7.1 General ... 10
7.2 Calculated parameters ... 10
7.2.1 General ... 10
7.2.2 Penetration rate ... 10
7.2.3 Down-thrust pressure ... 10
7.2.4 Net down-thrust pressure ... 11
7.2.5 Flushing medium pressure ... 11
7.2.6 Drill head rotational torque ... 11
8 Reporting ... **12**
8.1 General ... 12
8.2 Reporting of test results ... 12
Annex A (informative) **Application of drilling parameters** ... **14**
Annex B (informative) **Graphical presentation of drilling parameters** ... **20**
Bibliography ... **22**

Foreword

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Introduction

The measuring-while-drilling (MWD) method deals with the recording of the machine parameters during the drilling process. This can be done manually or with the use of computerized systems which monitor a series of sensors installed on rotary and/or percussive drilling equipment. These sensors continuously and automatically collect data on all aspects of drilling, in real time, without interfering with the drilling progress. The data are displayed in real time and are also recorded for further analysis. Examples for interpretation of the results are presented in Annex A.

The borehole can be used for other applications such as installation of monitoring equipment, geophysical logging or realization of expansion tests. The interpretation of the MWD results can be done in relation with the information provided by sampling.

It should be noted that measured and calculated drilling parameters are relative and dependant of the test conditions, procedures and equipment.

