SLOVENSKI STANDARD
oSIST prEN ISO 22282-6:2008
01-julij-2008

Geotehniļ no preiskovanje in preskuģanje - Geohidravliļ no preskuģanje - 6. del: Preskusi prepustnosti za vodo v vrtini z zavijanjem in pulzno stimulacijo (ISO/DIS 22282-6:2008)

Geotechnical investigation and testing - Geohydraulic testing - Part 6: Water permeability tests in a borehole with packer and pulse-litre stimulation (ISO/DIS 22282-6:2008)

Geotechnische Erkundung und Untesuchung - Geohydraulische Versuche - Teil 6: Wasserdurchlässigkeitsversuche im Bohrloch unter Anwendung geschlossener Systeme (ISO/DIS 22282-6:2008)

Reconnaissance et essais géotechniques - Essais géohydrauliques - Partie 6: Essai de perméabilité dans un forage en tube fermé (ISO/DIS 22282-6:2008)

Ta slovenski standard je istoveten z: prEN ISO 22282-6

ICS:

93.020	Zemeljska dela. Izkopavanja. Gradnja temeljev. Dela pod zemljo	Earthworks. Excavations. Foundation construction. Underground works

oSIST prEN ISO 22282-6:2008 en

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

DRAFT
prEN ISO 22282-6

March 2008

ICS 93.020

English Version

Geotechnical investigation and testing - Geohydraulic testing - Part 6: Water permeability tests in a borehole with packer and pulse-litre stimulation (ISO/DIS 22282-6:2008)

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This draft European Standard is submitted to CEN members for parallel enquiry. It has been drawn up by the Technical Committee CEN/TC 341.

If this draft becomes a European Standard, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

This draft European Standard was established by CEN in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN Management Centre has the same status as the official versions.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Ref. No. prEN ISO 22282-6:2008: E

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Foreword

This document (prEN ISO 22282-6:2006) has been prepared by Technical Committee CEN/TC 341 "Geotechnical Investigation and Testing", the secretariat of which is held by ELOT, in collaboration with Technical Committee ISO/TC 182 "Geotechnics".

This document is currently submitted to the parallel Enquiry.

DRAFT INTERNATIONAL STANDARD ISO/DIS 22282-6

ISO/TC **182**/SC **1** Secretariat: **DIN**

Voting begins on: **2008-03-27** Voting terminates on: **2008-08-27**

Geotechnical investigation and testing — Geohydraulic testing —

Part 6: Water permeability tests in a borehole with packer and pulse-litre stimulation

Reconnaissance et essais géotechniques — Essais géohydrauliques —

Partie 6: Essai de perméabilité dans un forage en tube fermé

ICS 93.020

ISO/CEN PARALLEL ENQUIRY

This draft International Standard is a draft standard developed within the European Committee for Standardization (CEN) and processed under the CEN-lead mode of collaboration as defined in the Vienna Agreement. The document has been transmitted by CEN to ISO for circulation for ISO member body voting in parallel with CEN enquiry. Comments received from ISO member bodies, including those from non-CEN members, will be considered by the appropriate CEN technical body. Should this DIS be accepted, a final draft, established on the basis of comments received, will be submitted to a parallel two-month FDIS vote in ISO and formal vote in CEN.

In accordance with the provisions of Council Resolution 15/1993 this document is circulated in the English language only.

Conformément aux dispositions de la Résolution du Conseil 15/1993, ce document est distribué en version anglaise seulement.

To expedite distribution, this document is circulated as received from the committee secretariat. ISO Central Secretariat work of editing and text composition will be undertaken at publication stage.

Pour accélérer la distribution, le présent document est distribué tel qu'il est parvenu du secrétariat du comité. Le travail de rédaction et de composition de texte sera effectué au Secrétariat central de l'ISO au stade de publication.

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 22282-6 was prepared by Technical Committee ISO/TC 182, *Geotechnics*, Subcommittee SC 1, *Geotechnical investigation and testing* and by Technical Committee CEN/TC 341, *Geotechnical investigation and testing* in collaboration.

ISO 22282 consists of the following parts, under the general title *Geotechnical investigation and testing — Geohydraulic testing*:

- *Part 1: General rules*
- *Part 2: Water permeability tests in a borehole using open systems*
- *Part 3: Water pressure test in rock*
- *Part 4: Pumping tests*
- *Part 5: Infiltrometer tests*
- *Part 6: Water permeability tests in a borehole using closed systems*

Geotechnical investigation and testing — Geohydraulic testing —

Part 6:
Water permeability tests in a borehole with packer and pulse-litre stimulation

1 Scope

This standard specifies requirements for the determination of the local permeability in soils and rocks below or above the ground water table in a closed system by the water permeability tests as part of the geotechnical investigation services according to EN 1997-1 and prEN 1997-2.

The tests are used to determine the permeability coefficient k in low permeable soil and rock lower than 10^{-8} m/s. It can also be used to determine the transmissivity T and the storage coefficient S.

NOTE The water pressure test in rock is covered by ISO 22282-3.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 1997-1, *Eurocode 7: Geotechnical design — Part 1: General rules*

prEN 1997-2, *Eurocode 7: Geotechnical design — Part 2: Ground investigation and testing*

EN ISO 14688-1, *Geotechnical investigation and testing — Identification and classification of soil — Part 1: Identification and description*

EN ISO 14689-1, *Geotechnical investigation and testing — Identification and classification of rock — Part 1: Identification and description*

EN ISO 22475-1, *Geotechnical investigation and testing — Sampling methods and groundwater measurements — Part 1: Technical principles of execution*

prEN ISO 22282-1, *Geotechnical investigation and testing — Geohydraulic tests —Part 1: General rules*

3 Terms, definitions and symbols

3.1 Terms and definitions

For the purposes of this document, the terms and definitions given in prEN ISO 22282-1 apply.