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BSI Standards Publication

Geotechnical investigation and testing — Qualification criteria and assessment

Part 1: Qualified technician and qualified operator

bsi.

National foreword

This Published Document is the UK implementation of CEN ISO/TS 24283-1:2022. It is identical to ISO/TS 24283-1:2022.

The UK participation in its preparation was entrusted to Technical Committee B/526/3, Ground investigation and ground testing.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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Geotechnical investigation and testing - Qualification criteria and assessment - Part 1: Qualified technician and qualified operator (ISO/TS 24283-1:2022)

Reconnaissance et essais géotechniques - Critères de qualification et évaluation - Partie 1 : Technicien et opérateur qualifié (ISO/TS 24283-1:2022)

Geotechnische Erkundung und Untersuchung - Qualifikationskriterien - Teil 1: Qualifizierter Techniker und Bediener (ISO/TS 24283-1:2022)

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European foreword

This document (CEN ISO/TS 24283-1:2022) has been prepared by Technical Committee ISO/TC 182 "Geotechnics" in collaboration with Technical Committee CEN/TC 341 “Geotechnical Investigation and Testing” the secretariat of which is held by BSI.

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Endorsement notice

The text of ISO/TS 24283-1:2022 has been approved by CEN as CEN ISO/TS 24283-1:2022 without any modification.

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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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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This document was prepared by Technical Committee ISO/TC 182, *Geotechnics,* in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 341, *Geotechnical Investigation and Testing,* in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

A list of all parts in the ISO 24283 series can be found on the ISO website.

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Introduction

The ISO 24283 series specifies the qualification criteria for geotechnical investigation and testing and has three parts:

— Part 1: Qualified technician and qualified operator

— Part 2: Responsible expert

— Part 3: Qualified enterprise

The fulfilment of the technical criteria by the enterprise or the individual can be proven by:

a) a declaration of conformity by a contractor (first party control);

b) a declaration of conformity by a client (second party control);

c) a declaration of conformity by a conformity assessment body (third party control).

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Geotechnical investigation and testing — Qualification criteria and assessment —

Part 1: Qualified technician and qualified operator

1 Scope

This document specifies the qualification criteria for a person performing sampling, testing, measuring, monitoring and installation of equipment (e.g. piezometers, borehole heat exchangers, inclinometers and extensometers) in the framework of geotechnical investigation.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at https://www.electropedia.org/

3.1
qualified technician
qualified operator
person who has documented competence to perform specified parts of identification and description of soil and rock sampling, laboratory and field testing, measuring, monitoring and installation of equipment

3.2
vocational training
on-the-job or work place training

4 Qualification criteria

The qualified technician and qualified operator should have documented competence regarding the following:

a) basic knowledge of the purpose of geotechnical ground investigation, of geological, soil and rock properties and hydrogeological principles as relevant for the respective standard;

b) specified parts of identification and description of soil and rock, sampling, laboratory and field testing, measuring, monitoring and installation of any equipment in boreholes (e.g. piezometers, borehole heat exchangers, inclinometers and extensometers) according to the relevant standard (see Bibliography) in the framework of geotechnical investigation;

c) relevant work experience (e.g. see Table A.1 or Table A.2);

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