TECHNICAL SPECIFICATION

ISO/TS 24283-2

First edition 2022-01

Geotechnical investigation and testing — Qualification criteria and assessment —

Part 2: **Responsible expert**

Reconnaissance et essais géotechniques - Critères de qualification et évaluation —

Partie 2: Expert responsable

ISO/TS 24283-2:2022



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Published in Switzerland

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Foreword

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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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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

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.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

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 2:

Responsible expert

1 Scope

This document specifies the qualification criteria for the person who is responsible for the performance of 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/ b341-9248f137db9a/iso-ts-

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responsible expert

person who has documented competence and is responsible for the technical management, supervision and reporting of the execution of specified parts of sampling, laboratory and field testing, measuring, monitoring and installation of equipment

4 Qualification criteria

The responsible expert should have:

- college or university degree of a relevant subject and proof of relevant work experience of at least three years in an enterprise that performs specified parts of sampling, laboratory and field testing, measuring, monitoring and installation of equipment; or
- a completed vocational training of a relevant subject and proof of relevant work experience of at least five years in an enterprise that performs specified parts of sampling, laboratory and field testing, measuring, monitoring and installation of equipment; or
- proof of relevant work experience of at least ten years in an enterprise that performs specified parts
 of sampling, laboratory and field testing, measuring, monitoring and installation of equipment.

The responsible expert should have sufficient proven documented competence concerning:

- a) the appropriate laws, health, safety and environmental regulations, technical rules and standards;
- b) the purpose of geotechnical ground investigation, about geological, soil and/or rock mechanical and hydrogeological principles;

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- c) appropriate parts of sampling, laboratory and field testing, measuring, monitoring and installation of equipment according to the standards in the Bibliography;
- d) reporting according to the relevant standards;
- e) the identification and description of soil and rock in each sample according to ISO 14688-1 and ISO 14689, if relevant;
- f) the quality management system.

The responsible expert should be able to:

- understand the aim of the investigation programme;
- supervise the work of the qualified technician or operator;
- ensure the completeness and quality of the report according to the relevant standards in the Bibliography, especially divergences influencing the results of the investigation;
- call for additional expertise if required.

5 Responsibility

The responsible expert should supervise the geotechnical investigation and control the correct execution of the geotechnical investigation in accordance with the standards in the Bibliography.

The responsible should check and sign the test report(s) for which the responsible expert is responsible.

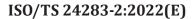
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- [2] ISO 14689, Geotechnical investigation and testing Identification, description and classification of rock
- [3] ISO 17628, Geotechnical investigation and testing Geothermal testing Determination of thermal conductivity of soil and rock using a borehole heat exchanger
- [4] ISO 17892 (all parts), Geotechnical investigation and testing Laboratory testing of soil
- [5] ISO 18674 (all parts), Geotechnical investigation and testing Geotechnical monitoring by field instrumentation
- [6] ISO 22282 (all parts), Geotechnical investigation and testing Geohydraulic testing
- [7] ISO 22475 (all parts), Geotechnical investigation and testing Sampling methods and groundwater measurements
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