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# Geotechnical investigation and testing — Geotechnical monitoring by field instrumentation —

## Part 1: General rules

*Reconnaissance et essais géotechniques — Surveillance géotechnique par instrumentation in situ —*

*Partie 1: Règles générales*



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## Contents

	Page
<b>Foreword</b> .....	<b>iv</b>
<b>1 Scope</b> .....	<b>1</b>
<b>2 Normative references</b> .....	<b>1</b>
<b>3 Terms and symbols</b> .....	<b>2</b>
3.1 Terms .....	2
3.2 Symbols .....	4
<b>4 Principal requirements</b> .....	<b>5</b>
4.1 Geotechnical monitoring in connection with geotechnical design .....	5
4.2 Geotechnical monitoring in connection with specific questions .....	5
4.3 Requirements of a geotechnical monitoring project .....	5
4.4 Geodetic measurements .....	6
4.5 Safety requirements .....	6
<b>5 Requirements of a geotechnical monitoring system</b> .....	<b>6</b>
5.1 General .....	6
5.2 Robustness .....	7
5.3 Influencing factors .....	7
5.4 Redundancy .....	7
5.5 Stability of sensor signal .....	7
5.6 Function check and calibration .....	8
<b>6 Location of measuring points and geotechnical parameters</b> .....	<b>8</b>
6.1 Location of measuring points .....	8
6.1.1 The measuring points can be located at free surfaces, at the interface between any two media, or inside of a medium .....	8
6.2 Measurement and monitoring of geotechnical parameters .....	8
<b>7 Carrying out the measurements</b> .....	<b>9</b>
<b>8 Data processing and verification</b> .....	<b>9</b>
<b>9 Reporting</b> .....	<b>10</b>
9.1 Installation report .....	10
9.2 Monitoring report .....	11
<b>Annex A (normative) Minimum requirements on content of instrument data sheets</b> .....	<b>13</b>
<b>Annex B (normative) Geotechnical measurements in boreholes</b> .....	<b>14</b>
<b>Annex C (informative) Field measurements in connection with the design and construction of geotechnical structures</b> .....	<b>17</b>
<b>Annex D (informative) Measurement and monitoring of geotechnical key parameters</b> .....	<b>19</b>
<b>Annex E (informative) Types of instruments and monitoring methods commonly used</b> .....	<b>21</b>
<b>Bibliography</b> .....	<b>27</b>

## 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](http://www.iso.org/directives)).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: [Foreword - Supplementary information](#)

ISO 18674-1 was prepared by European Committee for Standardization (CEN) in collaboration with ISO/TC 182, *Geotechnics*, Subcommittee SC 01, *Geotechnical investigation and testing*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

ISO 18674 consists of the following parts, under the general title *Geotechnical investigation and testing* — *Geotechnical monitoring by field instrumentation*:

— *Part 1: General rules*

The following parts are under preparation:

— *Part 2: Displacement measurements along a line: Extensometers*

The following parts are planned:

— *Part 3: Displacement measurements across a line: Inclinometers*

— *Part 4: Piezometers*

— *Part 5: Total pressure cells*

— *Part 6: Hydraulic settlement gauges*

— *Part 7: Strain gauges*

— *Part 8: Load cells*

— *Part 9: Geodetic monitoring instruments*

— *Part 10: Vibration monitoring instruments*

NOTE For further information on geotechnical monitoring by field instrumentation, see References [1] to [7].