

Water quality — Sampling —

Part 1: Guidance on the design of sampling programmes

The European Standard EN 25667-1:1993 has status of a
British Standard

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This British Standard, having been prepared under the direction of the Environment and Pollution Standards Committee, was published under the authority of the Executive Board and comes into effect on 30 April 1981

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The following BSI references relate to the work on this standard:
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Amendments issued since publication

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National foreword

This Section of this British Standard, which has been prepared under the direction of the Environment and Pollution Standards Committee, is identical with ISO 5667/1-1980 “*Water quality — Sampling — Part 1: Guidance on the design of sampling programmes*”. The international standard was prepared by subcommittee 6, Sampling, of Technical Committee 147, Water quality, of the International Organization for Standardization (ISO) as a result of discussion in which the UK participated.

In 1993 the European Committee for Standardization (CEN) accepted ISO 5667-1:1980 as European Standard EN 25667-1:1993. As a consequence of implementing the European Standard this British Standard is renumbered as BS EN 25667-1 and any reference to BS 6068-6.1 should be read as reference to BS EN 25667-1.

This British Standard is being published in a series of Parts subdivided into Sections that will generally correspond to particular international standards. It is expected that Sections will eventually be published in the following further Parts.

- *Part 0: Introduction;*
- *Part 1: Glossary;*
- *Part 2: Methods for physical and chemical testing;*
- *Part 3: Methods for radiological testing;*
- *Part 4: Methods for microbiological testing;*
- *Part 5: Methods for biological testing.*

Section 6.1 is the first of three general guidance documents on sampling. Sections 6.2 and 6.3 will cover sampling techniques, and storage and handling of samples respectively. Further Parts in preparation in the international committee will deal in greater detail with the topics covered by Parts 1 to 3 of ISO 5667 for specific types of water and are expected to be implemented in further Sections of this standard.

Terminology and conventions. The text of the international standard has been approved as suitable for publication as a British Standard without deviation. Some terminology and certain conventions are not identical with those used in British Standards; attention is especially drawn to the following.

The comma has been used throughout as a decimal marker. It is current practice in British Standards to use a full point on the baseline as the decimal marker.

Wherever the words “International Standard” appear, referring to this standard, they should be read as “British Standard”.

Cross-references

International standard	Corresponding British Standard
ISO 2602-1973	BS 2846 Guide to statistical interpretation of data Part 2:1975 Estimation of the mean-confidence interval (Identical)
ISO 3534-1977	BS 5532:1978 Statistics — Vocabulary and symbols (Identical)
ISO 6107/1-1980	BS 6068 Water quality Part 1: Glossary Section 1.1 Terms relating to types of water, and treatment and storage of waste water (Identical)

The following ISO standards (at present in course of preparation), which are referred to in clause 0, are essentially of an advisory nature and the absence of corresponding British Standards does not affect the validity of this standard. However it is intended that these international standards will be published as Parts of this British Standard and the anticipated titles have been included for information only.

International standard	Corresponding British Standard
ISO 5667/2	BS 6068 Water quality Part 6: Sampling Section 6.2 General guide to sampling techniques
ISO 5667/3	Section 6.3 General recommendations for the preservation and handling of samples
ISO 6107/2	Part 1: Glossary Section 1.2 Terms relating to sampling and analysis of water

NOTE *Textual errors.* When adopting the text of the international standard the textual errors listed below were noticed. They have been marked in this British Standard and have been reported to ISO in a proposal to amend the text of the international standard.

- a) In the last line of **15.3** the word “frequency” should be read as “frequency diagram”.
- b) In the second paragraph of **16.4** the expression “ $\bar{x} \pm K/n$ ” should appear as “ $\bar{x} \pm \sigma K/\sqrt{n}$ ”.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i to iv, the EN title page, pages 2 to 18, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

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Descriptors: Water tests, water, ground water, process water, sewage, quality, water pollution, sampling, sampling equipment

English version

Water quality — Sampling — Part 1: Guidance on the design of sampling programmes

(ISO 5667-1:1980)

Qualité de l'eau — Echantillonnage —
Partie 1: Guide général pour l'établissement
des programmes d'échantillonnage
(ISO 5667-1:1980)

Wasserbeschaffenheit — Probenahme —
Teil 1: Anleitung zur Aufstellung von
Probenahmeprogrammen
(ISO 5667-1:1980)

This European Standard was approved by CEN on 1993-09-09. 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.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

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Foreword

Following the resolution BTS3 42/1991, the ISO 5667-1:1980 *Water quality — Sampling — Part 1: Guidance on the design of sampling programmes (ISO 5667-1:1980)* was submitted to the Unique Acceptance Procedure.

The result of the Unique Acceptance Procedure was positive.

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 March 1994, and conflicting national standards shall be withdrawn at the latest by March 1994.

In accordance with the CEN/CENELEC Internal Regulations, the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

NOTE The European references to international publications are given in Annex ZA (normative).