INTERNATIONAL STANDARD

ISO 4463-3

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Measurement methods for building — Setting-out and measurement —

Part 3:
Check-lists for the procurement of surveys and measurement services

Méthodes de mesurage pour la construction — Piquetage et mesurage —

Partie 3: Listes de contrôle pour la fourniture de levés topographiques et de prestations de mesurage

Reference number
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Contents

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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.

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.

International Standard ISO 4463-3 was prepared by Technical Committee ISO/TC 59, *Building construction,* Subcommittee SC 4, *Dimensional tolerances and measurement.*

This first edition of ISO 4463-3, together with ISO 4463-1 and ISO 4463-2, cancels and replaces ISO 4463:1979, which has been technically revised.

ISO 4463 consists of the following parts, under the general title *Measurement methods for building — Setting-out and measurement*:

— *Part 1: Planning and organization, measuring procedures, acceptance criteria*

— *Part 2: Measuring stations and targets*

— *Part 3: Check-lists for the procurement of surveys and measurement services*

Annex A of this part of ISO 4463 is for information only.

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Measurement methods for building — Setting-out and measurement —

Part 3:
Check-lists for the procurement of surveys and measurement services

1 Scope

This part of ISO 4463 identifies and provides guidance in the form of check-lists for the surveying and setting-out services that may be required during the development and construction of buildings and ancillary works.

It will assist those involved in specifying the surveying and setting-out services required during the procurement of buildings by providing a check-list of the requirements from which selections can be made and to which further items can be added depending on the particular needs of the project.

The guidance is applicable to both new construction and refurbishment projects.

2 Stages of procurement of a building

In the development and construction of a project, survey, setting-out and measurement services may be required at any of the following stages.

Stage 1: Acquisition of the plot or of the existing building or buildings

Stage 2: Project planning

Stage 3: Prior to project construction

Stage 4: Project construction

Stage 5: Project completion

3 Associated measurement procedures

3.1 Stage 1: Acquisition of the plot or of the existing building or buildings

The legal boundaries of a plot shall be defined by either a cadastral survey or a local system survey.

3.1.1 Check-list of instructions for the procurement of the appropriate specialist services

Specify that the surveyor shall:

a) identify the plot or the building, including its orientation, on a location drawing;

b) indicate on a site plan the main features on or adjacent to the site (e.g. roads, underground services, overhead power or telephone lines, major trees, fences, etc.); add or delete items as required for the particular project;

c) provide spot levels related to national or local benchmarks;

d) establish, if required, the relationship of the site plan to the national or other reference grids or coordinate systems.

3.1.2 Presentation of information on the Stage 1 drawings

Specify that the surveyor shall:

a) select a scale for the survey drawing appropriate to the particular need (see clause 4) to show the required information;

b) show contour lines, as appropriate, at the required differences in height and/or spot levels.