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Maritime works –

Part 5: Code of practice for dredging and land reclamation

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Summary of pages

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Foreword

Publishing information

This part of BS 6349 is published by BSI Standards Limited, under licence from The British Standards Institution, and came into effect on 31 December 2016. It was prepared by Technical Committee CB/502, *Maritime works*. A list of organizations represented on this committee can be obtained on request to its secretary.

Supersession

This part of BS 6349 supersedes BS 6459-5:1991, which is withdrawn.

Relationship with other publications

BS 6349 is published in the following parts:

- Part 1-1: *General – Code of practice for planning and design for operations*;
- Part 1-2: *General – Code of practice for assessment of actions*;
- Part 1-3: *General – Code of practice for geotechnical design*;
- Part 1-4: *General – Code of practice for materials*;
- Part 2: *Code of practice for the design of quay walls, jetties and dolphins*;
- Part 3: *Design of dry docks, locks, slipways and shipbuilding berths, shiplifts and dock and lock gates*;
- Part 4: *Code of practice for design of fendering and mooring systems*;
- Part 5: *Code of practice for dredging and land reclamation*;
- Part 6: *Design of inshore moorings and floating structures*;
- Part 7: *Guide to the design and construction of breakwaters*;
- Part 8: *Code of practice for the design of Ro-Ro ramps, linkspans and walkways*.

This part of BS 6349 is related to prEN 16907-6, which is currently in preparation.

Information about this document

This is a full revision of the standard, and introduces the following principal changes:

- substantial changes to reflect scientific and technological advances since 1991;
- changes to take into account new and revised legislation;
- restructure of text to better facilitate use of the standard;
- changes for consistency with the updated suite of BS 6349 standards that have been revised to take account of Eurocodes.

Use of this document

As a code of practice, this part of BS 6349 takes the form of guidance and recommendations. It should not be quoted as if it were a specification and particular care should be taken to ensure that claims of compliance are not misleading.

Any user claiming compliance with this part of BS 6349 is expected to be able to justify any course of action that deviates from its recommendations.

Presentational conventions

The provisions of this standard are presented in roman (i.e. upright) type. Its recommendations are expressed in sentences in which the principal auxiliary verb is "should".

Commentary, explanation and general informative material is presented in smaller italic type, and does not constitute a normative element.

Where words have alternative spellings, the preferred spelling of the Shorter Oxford English Dictionary is used (e.g. "organization" rather than "organisation").

Contractual and legal considerations

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard cannot confer immunity from legal obligations.

1 Scope

This part of BS 6349 gives recommendations for dredging and land reclamation works.

In addition, this part of BS 6349 outlines environmental assessment procedures and criteria in relation to the UK that are considered illustrative of similar good practice in many international jurisdictions.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

Standards publications

ASTM D1586, *Standard test method for standard penetration test (SPT) and split-barrel sampling of soils*

ASTM D2167, *Standard test method for density and unit weight of soil in place by the rubber balloon method*

ASTM D2488, *Standard practice for description and identification of soils (visual-manual procedure)*

ASTM D4253, *Standard test methods for maximum index density and unit weight of soils using a vibratory table*

ASTM D4254, *Standard test methods for minimum index density and unit weight of soils and calculation of relative density*

ASTM D7382, *Standard test methods for determination of maximum dry unit weight and water content range for effective compaction of granular soils using a vibrating hammer*

BS 1377 (all parts), *Methods for test for soils for civil engineering purposes*

BS 5607, *Code of practice for the safe use of explosives in the construction industry*

BS 5930:2015, *Code of practice for ground investigations*

BS 6031, *Code of practice for earthworks*

BS 6349-1-1, *Maritime works – Part 1-1: General – Code of practice for planning and design for operations*¹⁾

BS EN 933-3, *Tests for geometrical properties of aggregates – Part 3: Determination of particle shape – Flakiness index*

BS EN 933-4, *Tests for geometrical properties of aggregates – Part 4: Determination of particle shape – Shape index*

BS EN 1997-1:2004+A1:2013, *Eurocode 7 – Geotechnical design – Part 1: General rules*

BS EN ISO 22476 (all parts), *Geotechnical investigation and testing – Field testing*

Other publications

[N1]PIANC MARCOM WORKING GROUP 144. *Classification of soils and rocks for the maritime dredging process*. PIANC Report No. 144. Brussels: PIANC, 2016.

¹⁾ This part of BS 6349 gives informative references to BS 6349-1-1:2013.