

BS 7666-2:2020



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Spatial datasets for geographical referencing

Part 2: Specification for a land and property gazetteer

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Summary of pages

This document comprises a front cover, and inside front cover, pages i to iv, pages 1 to 24, an inside back cover and a back cover.

Foreword

Publishing information

This part of BS 7666 is published by BSI Standards Limited, under licence from The British Standards Institution, and came into effect on 31 December 2020. It was prepared by Technical Committee IST/36, *Geographic information*. A list of organizations represented on this committee can be obtained on request to the committee manager.

Supersession

This part of BS 7666 supersedes [BS 7666-2:2006](#), which is withdrawn.

Relationship with other publications

BS 7666 was originally published over the period 1993 to 1996 in four parts.

These four parts were revised separately over the period 2000 to 2002. During 2004 to 2005, all the parts were revised together, with a new Part 0:

General model for gazetteers and spatial referencing. This provides a common structure for gazetteers of any class of geographic object.

Part 0 subsumed Part 3: Specification for addresses.

Part 1 subsumed Part 4: Specification for recording public rights of way. The scope of Part 2 is largely unchanged. Part 5 is new in scope. Thus Parts 3 and 4 do not form part of the standard although there is a Part 5. Renumbering has not taken place to avoid any confusion with the withdrawn standards.

BS 7666 now comprises the following parts:

- Part 0: General model for gazetteers and spatial referencing;
- Part 1: Specification for a street gazetteer;
- Part 2: Specification for a land and property gazetteer; and
- Part 5: Specification for a delivery point gazetteer.

During 2016 to 2020 all the parts were revised; there were no major changes to the parts and as such they have kept the same numbers.

This is a full revision of this Part of BS 7666, and introduces the following principal changes:

- The addition of a facility for lifecycle of 'BLPU classification' and 'BLPU state';
- "logical status" for BLPU and LPI updated to 'BLPU logical status' and 'address status' respectively;
- the addition of a facility for BLPUs to be associated with the BLPU they were previously part of;
- UML diagrams updated.

Information about this document

This publication can be withdrawn, revised, partially superseded or superseded. Information regarding the status of this publication can be found in the Standards Catalogue on the BSI website at bsigroup.com/standards, or by contacting the Customer Services team.

Presentational conventions

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

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

Requirements in this standard are drafted in accordance with *Rules for the structure and drafting of UK standards*, subclause **G.1.1**, which states, “Requirements should be expressed using wording such as: ‘When tested as described in [Annex A](#), the product shall ...’”. This means that only those products that are capable of passing the specified test will be deemed to conform to this standard.

Where websites and webpages have been cited, they are provided for ease of reference and are correct at the time of publication. The location of a webpage or website, or its contents, cannot be guaranteed.

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.

0 Introduction

0.1 General

This part of BS 7666 is designed to facilitate the creation and maintenance of gazetteers of Land and Property Units of varying scope, from specialist interest in a restricted area to universal coverage for general use. It has been designed in the expectation that such gazetteers increasingly need to be matched, merged and cross-referenced in order to promote access to, and sharing of, related land and property data.

A key design principle is that the application of this part of the standard, in conjunction with the other parts of BS 7666, will help to establish a common set of identifiers for use across a range of applications.

An external application will reference a basic land and property unit in the gazetteer via its unique property reference number. The unique property reference number or other identifier may be used to cross-refer a basic land and property unit to other information held external to the gazetteer. Examples are revenue, planning, distribution and utility records. This enables data from different sources to be co-related or interchanged via the gazetteer, and requires the currency of the data to be maintained after initial set-up.

0.2 Definition of attributes in tables

Throughout this British Standard, tables are used to define the structure of each feature type with the following information:

- a) Name: unique name of the attribute;
- b) Obligation: whether the attribute is mandatory (M) or optional (O);
- c) Maximum occurrences: whether the attribute is single-valued (1) or may have multiple values (N);
- d) Data type: form of the attribute, including 'CharacterString', 'Date', 'Integer'; and
- e) Role name: name of the association between two feature types, for example a 'BLPU' has an association to another 'BLPU', called 'parentOf'.

1 Scope

This part of BS 7666 specifies the logical data structure for a gazetteer of land and property, consistent with Part 0 of this standard. It is based upon the concept of a basic land and property unit (BLPU), and specifies the data to be recorded and maintained in a gazetteer. It also specifies the way in which the boundary of a BLPU may be represented and linked to the gazetteer. It does not provide a database design or a transfer format.

This part of BS 7666 is intended for use by those compiling land and property gazetteers, for a range of purposes, including property records and addressing. It enables different users of land and property information to link different land and property identifiers (LPI) via a common unique property reference number (UPRN).

NOTE A checklist for verification of conformity is given in [Annex A](#).