

Brussels address
register

Product
specifications

TABLE OF CONTENTS

1. GENERAL OVERVIEW	3
1.1 INFORMATION ON THE DRAFTING OF THE PRODUCT SPECIFICATIONS	3
1.2 TERMINOLOGY AND DEFINITIONS	3
1.3 USEFUL ABBREVIATIONS	4
1.4 NORMS	4
1.5 INFORMAL DESCRIPTION OF THE PRODUCT	4
1.6 NAMESPACE IN USE	4
2. SCOPE OF THE SPECIFICATIONS	5
3. PRODUCT IDENTIFICATION	5
3.1 TITLE	5
3.2 VERSION	5
3.3 DESCRIPTION	5
3.4 THEMES	5
3.5 SPATIAL COVERAGE	5
3.6 TEMPORAL COVERAGE	6
3.7 TYPE OF SPATIAL REPRESENTATION COVERAGE	6
4. DATA CONTENT AND STRUCTURE	6
4.1 MAIN CLASSES	6
4.1.1 Address	6
4.1.2 Street name	9
4.1.3 Municipality	11
4.1.4 Postal information	12
4.2 SUPPORT CLASSES	13
4.2.1 Identifier	14
4.2.2 Geographical name	15
4.2.3 Geographical position	15
4.2.4 Point	17
4.2.5 Status	17
5. REFERENCE SYSTEMS	18
5.1 SPATIAL REFERENCE SYSTEMS	18
5.2 TEMPORAL REFERENCE SYSTEM	18
6. DATA QUALITY	19
6.1 QUALITY CONTROL	19
6.2 GENEALOGY	19
7. PRODUCT DISTRIBUTION	19
7.1 DATASET FORMAT	19
7.2 FORMAT VERSION	19
7.3 FORMAT SPECIFICATIONS	19
7.4 PRODUCT LANGUAGES	19
7.5 PRODUCT ENCODING	19
8. METADATA	19

9. PRODUCT UPDATES	20
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1. General overview

1.1 Information on the drafting of the product specifications

Product specifications title : Brussels address register

Reference date: 23/09/2026

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Languages of product specifications: Dutch, French and German

Distribution format: PDF

Drafting standard: the product specifications are written in accordance with the ISO 19131 standard.

1.2 Terminology and definitions

In the context of these specifications, the following definitions apply.

Object and object type

An object is an abstraction of real-world phenomena represented in the dataset.

An object type is a set of **objects** characterised by identical **attributes**.

Dataset

A dataset is an identifiable set of data, corresponding to **objects** of one or more **types**, in accordance with clearly established specifications.

Object catalogue

An **object catalogue** is the set formed by the definition of **object types** included in a dataset and the definition of their respective **attributes**.

Abstract object types

An **object type** is known as abstract if it is not present as such in the dataset but is referenced in the catalogue and has been constructed so as to include all the properties common to the object types making up the dataset.

Attribute

An attribute is a property of an object or object type. In the object catalogue, the **attribute** of an **object type** is determined by its name, its definition, and possibly, the values that this attribute may take (i.e. the domain) and their units. In a dataset, **the attribute** of an **object** is determined by its name and its value.

Namespace

A **namespace** is an identifier used to group and uniquely identify a set of names (**object types, attributes, values, etc.**) within a data model. It ensures that these names are interpreted unambiguously, even when they are used in conjunction with those from other data models or vocabularies

1.3 Useful abbreviations

EPSG: European Petroleum Survey
GAPD: General Administration of Patrimonial Documentation
IANA: Internet Assigned Numbers Authority
ISO : International Organization for Standardization
NIS: National Institute of Statistics
OGC: Open Geospatial Consortium
URI: Unique Resource Identifier

1.4 Norms

ISO 19131: SO standard defining data product specifications
GML: OGC standard for representing, storing, and exchanging geographic data

1.5 Informal description of the product

The Brussels Address Register corresponds to the regional address register of the Brussels-Capital Region, as referred to in the BeSt Address cooperation agreement between the Federal State and the Flemish Region, Walloon Region, and Brussels-Capital Region.

This dataset consists of four classes. The first class corresponds to addresses, including box numbers. The second corresponds to street names, the third to postal codes, and the fourth to municipalities.

The dataset is freely downloadable as zipped files or via a dedicated API.

The data complies with the BeSt Address model and is also available in an extended version of BeSt Address called BeSt extended.

This dataset is produced by integrating address data provided by the municipalities and is generated directly by the Regions. It takes into account confirmed errors reported by individual and institutional users.

1.6 Namespace in use

best : <http://fsb.belgium.be/data/common>

ext : <https://databrussels.be/namespaces/extendedBeSt/2.0/extendedBeSt.xsd>

gml : <http://www.opengis.net/gml>

urbis : <https://databrussels.be/namespaces/UrbIS/2.0/UrbIS.xsd>

2. Scope of the specifications

These product specifications apply consistently to the full product described, regardless of spatial scale.

3. Product identification

3.1 Title

Brussels address register

3.2 Version

Version identifier: 2.0

3.3 Description

The Brussels address register corresponds to the regional address register of the Brussels-Capital Region, as referred to in the BeSt Address cooperation agreement between the Federal State and the Flemish Region, Walloon Region, and Brussels-Capital Region.

This dataset consists of four classes. The first class corresponds to addresses, including box numbers. The second corresponds to street names, the third to postal codes, and the fourth to municipalities.

The dataset is freely downloadable as zipped files or via a dedicated API.

The data complies with the BeSt Address model and is also available in an extended version of BeSt Address called BeSt extended.

3.4 Themes

The data included in this set belong to the following thematic category: location.

3.5 Spatial coverage

The data included in this set cover the entirety of the Belgian national territory.

3.6 Temporal coverage

The data included in this set reflect the situation at the time of export.

3.7 Type of spatial representation coverage

The data included in this set are a geometric vector table.

4. Data content and structure

The content of the dataset described in this document is specified using an object catalogue.

4.1 Main classes

The dataset contains four object types:

- [AddressType](#);
- [StreetnameType](#);
- [MunicipalityType](#);
- [PostalInfoType](#).

These four object types correspond to the following elements, respectively:

- [Addresses](#);
- [Street names](#);
- [Municipalities](#);
- [Postal informations](#).

4.1.1 Address

Type name	Address	
Type definition	Address located on Belgian territory.	
Type identifier	BeSt extended	BeSt
	ext:Address	best:AddressType

4.1.1.1 Address identifier

Attribute name	Address identifier
Attribute definition	Identifier of the particular, stable and unique address, set and maintained by the Region where the particular address is located.
Cardinality	1
Attribute identifier	best:code
Domain	best:IdentifierType

4.1.1.2 Position

Attribute name	Position	
Attribute definition	XY coordinates of the particular address.	
Cardinality	1	
Attribute identifier	BeSt extended	BeSt
	ext:position	best:position
Domain	ext:GeographicalPositionType	best:GeographicalPositionType

4.1.1.3 Status

Attribute name	Status
Attribute definition	Status of the particular address.
Cardinality	1
Attribute identifier	best:addressStatus
Domain	best:StatusType

4.1.1.4 House number

Attribute name	house number
Attribute definition	house number of the particular address.
Cardinality	1
Attribute identifier	best:houseNumber
Domain	Text

4.1.1.5 Box number

Attribute name	Box number
Attribute definition	Postal box number of the particular address.

Cardinality	0 - 1
Attribute identifier	best:boxNumber
Domain	Texte

4.1.1.6 Address numbers

Attribute name	Address numbers
Attribute definition	Concatenation of the policy number and the box number for which leading zeros have been added to allow for sorting.
Cardinality	0 - 1
Attribute identifier	best:sortField
Domain	Text

4.1.1.7 Officially assigned

Attribute name	Officially assigned
Attribute definition	Boolean identifying whether the particular address is official or not.
Attribute identifier	best:officiallyAssigned
Domain	Boolean

4.1.1.8 Street name

Attribute name	Street name	
Attribute definition	Street name forming part of the address concerned.	
Cardinality	1	
Attribute identifier	BeSt extended	BeSt
	ext:hasStreetName	best:hasStreetName
Domain	ext:StreetName	best:IdentifierType

4.1.1.9 Municipality

Attribute name	Municipality	
Attribute definition	Municipality forming part of the address concerned.	
Cardinality	1	
Attribute identifier	BeSt extended	BeSt

	ext:hasMunicipality	best:hasMunicipality
Domain	ext:Municipality	best:IdentifierType

4.1.1.10 Postal code

Attribute name	Postal code	
Attribute definition	Postal code forming part of the address concerned.	
Cardinality	1	
Attribute identifier	BeSt extended	BeSt
	ext:hasPostalInfo	best:hasPostalInfo
Domain	ext:PostalInfo	best:IdentifierType

4.1.1.11 Parent Address

Attribute name	Parent Address	
Attribute definition	Main address to which an address containing a box number is linked.	
Cardinality	0 - 1	
Attribute identifier	BeSt extended	BeSt
	ext:parentAddress	Inexistent
Domain	ext:Address	Inexistent

4.1.2 Street name

Type name	Street name	
Type definition	Street name officially assigned by the competent authority to a defined area of the public space.	
Type identifier	BeSt extended	BeSt
	ext:StreetName	best:StreetNameType

4.1.2.1 Street name identifier

Attribute name	Street name identifier	
Attribute definition	Identifier of the particular street name, set and maintained by the Region in question.	
Cardinality	1	

Attribute identifier	best:code
Domain	best:IdentifierType

4.1.2.2 Name

Attribute name	Name
Attribute definition	Name of the particular street.
Cardinality	1
Attribute identifier	best:name
Domain	best:GeographicalNameType

4.1.2.3 Status

Attribute name	Street name status
Attribute definition	Status of the particular street name.
Cardinality	1
Attribute identifier	best:streetNameStatus
Domain	best:StatusType

4.1.2.4 Street name type

Attribute name	Street name type
Attribute definition	Type of the particular street name.
Cardinality	1
Attribute identifier	best:type
Domain	
hamlet	Hamlet
streetname	Street name

4.1.2.5 Homonym

Attribute name	Homonym
Attribute definition	Any homonym for the particular street name.
Cardinality	0 - 1
Attribute identifier	best:homonymAddition
Domain	Text

4.1.2.6 Municipality

Attribute name	Municipality	
Attribute definition	Identifier of the municipality that assigned the particular street name.	
Cardinality	1	
Attribute identifier	BeSt extended	BeSt
	ext:isAssignedByMunicipality	best:isAssignedByMunicipality
Domain	ext:Municipality	best:IdentifierType

4.1.2.7 Position

Attribute name	Position	
Attribute definition	XY coordinates of the particular street.	
Cardinality	0 - 1	
Attribute identifier	BeSt extended	BeSt
	ext:position	Inexistent
Domain	ext:GeographicalPositionType	Inexistent

4.1.3 Municipality

Type name	Municipality	
Type definition	Municipality located on Belgian territory, as defined and maintained by the GAPD.	
Type identifier	BeSt extended	BeSt
	ext:Municipality	best:MunicipalityType

4.1.3.1 Municipality identifier

Attribute name	Unique municipality identifier
Attribute definition	Identifier of the particular, unique and stable municipality, set and maintained by the Region in question.
Cardinality	1
Attribute identifier	best:code
Domain	best:IdentifierType

4.1.3.2 Municipality name

Attribute name	Municipality name
Attribute definition	Name of the particular municipality
Cardinality	1
Attribute identifier	best:name
Domain	best:GeographicalNameType

4.1.3.3 Municipality status

Attribute name	Municipality status
Attribute definition	Status of the particular municipality
Cardinality	1
Attribute identifier	best:municipalityStatus
Domain	best:StatusType

4.1.3.4 Position

Attribute name	Position	
Attribute definition	XY coordinates of the particular municipality.	
Cardinality	0 - 1	
Attribute identifier	BeSt extended	BeSt
	ext:position	Inexistent
Domain	ext:GeographicalPositionType	Inexistent

4.1.3.5 NIS code

Attribute name	NIS code	
Attribute definition	NIS code of the municipality, established and maintained by Statbel.	
Cardinality	0 - 1	
Attribute identifier	BeSt extended	BeSt
	ext:nationalCode	Inexistent
Domain	Municipality's NIS code	Inexistent

4.1.4 Postal information

Type name	Postal code
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Type definition	Postal code, as defined and maintained by bPost.	
Type identifier	BeSt extended	BeSt
	ext:PostalInfo	best:PostalInfoType

4.1.4.1 Postal code identifier

Attribute name	Postal code identifier
Attribute definition	Identifier of the particular, unique and stable postal code, set and maintained by bPost.
Cardinality	1
Attribute identifier	best:code
Domain	best:IdentifierType

4.1.4.2 Postal code status

Attribute name	Postal code status
Attribute definition	Status of the particular postal code.
Cardinality	0 - 1
Attribute identifier	best:postalInfoStatus
Domain	best:StatusType

4.2 Support classes

The dataset contains five support classes:

- [IdentifierType](#);
- [GeographicalNameType](#);
- [GeographicalPositionType](#);
- [PointType](#);
- [StatusType](#).

These five object types correspond to the following elements, respectively:

- [The identifier](#);
- [The geographical name](#);
- [The geographical position](#);
- [The geographical coordinates](#);
- [Status](#).

4.2.1 Identifier

Type name	Identifier
Type definition	Identifier of the particular object.
Type identifier	best:IdentifierType
Comment	The concatenation of the namespace and the identifier should form a URI unambiguously identifying the object. The URI should be resolvable.

4.2.1.1 Namespace

Attribute name	Namespace
Attribute definition	The namespace of the particular object, set and maintained by the Region in question, and used to identify the region and the type of element.
Cardinality	1
Attribute identifier	best:namespace
domain	Text

4.2.1.2 Object identifier

Attribute name	Object identifier
Attribute definition	Identifier of the particular object, unique and stable element of the address, set and maintained by the Region in question.
Cardinality	1
Attribute identifier	best:objectIdentifier
domain	Text

4.2.1.3 Version identifier

Attribute name	Version identifier
Attribute definition	Identifier of the version of the particular object, set and maintained by the Region in question.
Cardinality	1
Attribute identifier	best:versionIdentifier
domain	Text

4.2.2 Geographical name

Type name	Geographical name
Type definition	Name of the particular element of the address.
Type identifier	best:GeographicalNameType

4.2.2.1 Language

Attribute name	Language
Attribute definition	Language of the particular name.
Cardinality	1
Attribute identifier	best:language
Domain	
nl	Dutch
fr	French
de	German

4.1.2.2 Spelling

Attribute name	Spelling
Attribute definition	Spelling of the particular name.
Cardinality	1
Attribute identifier	best:spelling
Domain	Text

4.2.3 Geographical position

Type name	Geographical position	
Type definition	Geographical position of the particular object.	
Type identifier	BeSt extended	BeSt
	ext:GeographicalPositionType	best:GeographicalPositionType

4.2.3.1 Location

Attribute name	Location
Attribute definition	Location of the particular object.

Cardinality	1 - 2	
Attribute identifier	BeSt extended	BeSt
	ext:pointGeometry	best:pointGeometry
Domain	gml:Point	best:point

4.2.3.2 Assignment method

Attribute name	Assignment method
Attribute definition	Assignment method for the geographical position of the particular object.
Cardinality	1
Attribute identifier	best:positionGeometryMethod
Domain	
assignedByAdministrator	The position as been assigned by the municipality.
derivedFromObject	The position has been derived from another object.

4.2.3.3 Position specification

Attribute name	Position specification
Attribute definition	Specification of the geographical position of the particular object.
Cardinality	1
Attribute identifier	best:positionSpecification
Domain	
building	Building
buildingUnit	Building unit
entrance	Entrance
mooringPlace	Mooring place
municipality	Municipality
parcel	Parcel
plot	Plot
stand	Stand
street	Street

4.2.4 Point

Type name	Point
Type definition	Unique discrete position in space.
Type identifier	best:point

4.2.4.1 Pair of geographical coordinates

Attribute name	Pair of geographical coordinates
Attribute definition	Pair of geographical coordinates of the particular object in one of the Belgian Lambert projection systems.
Cardinality	1
Attribute identifier	best:pos
Domain	Metre

4.2.5 Status

Type name	Status
Type definition	Status of the particular component of the address.
Type identifier	com:StatusType

4.2.5.1 Status

Attribute name	Status
Attribute definition	Status of the particular component of the address.
Cardinality	1
Attribute identifier	best:status
Domain	
Reserved	The particular component of the address must still be validated by the competent authority.
Proposed	The particular component of the address has been validated by the competent authority.
Rejected	The particular component of the address has been rejected by the competent authority.

Current	The particular component of the address is used to locate an addressable object.
Retired	The particular component of the address is no longer used to locate and addressable object or is used to locate an addressable object that itself no longer exists.

4.2.5.2 Beginning of validity

Attribute name	Beginning of Validity
Attribute definition	Date on which the version of the address component concerned is valid.
Cardinality	1
Attribute identifier	best:validFrom
Domain	Timestamp

4.2.5.3 End of validity

Attribute name	End of Validity
Attribute definition	ate on which the version of the address component concerned ceases to be valid.
Cardinality	0 - 1
Attribute identifier	best:validTo
Domain	Timestamp

5. Reference systems

5.1 Spatial reference systems

The objects are either referenced in the Belgian Lambert 1972 coordinates system (EPSG: 31370) or in the Belgian Lambert 2008 coordinates system (EPSG: 3812).

5.2 Temporal reference system

All the dates are given in the Gregorian calendar.

6. Data quality

6.1 Quality control

The quality of the dataset is continuously verified through dedicated procedures.

6.2 Genealogy

This dataset is produced by integrating the address data provided by the municipalities and is produced directly by the Regions. It takes into account proven errors reported by individual and institutional users. It is compliant with the joint specifications drawn up by the FPS BOSA on behalf of the address committee.

7. Product distribution

7.1 Dataset format

The product is available in CSV and GeoPackage formats.

7.2 Format version

The most recent versions of the above-mentioned formats apply.

7.3 Format specifications

The specifications of the formats are available at the following URL:

- <https://www.iana.org/assignments/media-types/text/csv> ;
- <https://www.iana.org/assignments/media-types/application/geopackage+sqlite3>.

7.4 Product languages

The dataset is multilingual and contains text fields in Dutch, French and German.

7.5 Product encoding

The characters are encoded in UTF-8.

8. Metadata

The metadata of the BeSt Address product, consolidated for the three Regions, are available to view in full at the following address: <https://www.geo.be/catalog/details/ca0fd5c0-8146-11e9-9012-482ae30f98d9?l=en>.

9. Product updates

The product is updated weekly.