

PRODUCT GUIDE

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AddressBase Islands



Ordnance Survey

AddressBase Islands Products

Product Guide

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Preface

This user guide (hereafter referred to as the guide) is designed to provide an overview of AddressBase Islands Products (hereafter referred to as the products) and it gives guidelines and advice on how a customer might derive the maximum benefit from the products. It assumes a general knowledge of geographic information.

If you find an error or omission in this guide, or otherwise wish to make a comment or suggestion as to how we can improve the guide, please contact us at the address shown below under contact details or complete the product and service performance report form at [Annexe B](#) and return it to us.

Contact details

Our Customer Service Centre will be pleased to deal with your enquiries:

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General enquiries (calls charged at local rate): +44 (0)8456 050505

Dedicated Welsh Language HelpLine: 08456 050504

Textphone (deaf and hard of hearing users only please): +44 (0)2380 056146

customerservices@os.uk

www.os.uk

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Using this guide

The documentation is supplied in portable document format (PDF) only. Free Adobe® Reader® software, which displays the guide, incorporates search and zoom facilities and allows you to navigate within. Hyperlinks are used to navigate between associated parts of the guide and to relevant Internet resources by clicking on the blue hyperlinks and the table of contents.

Chapter 1 Introduction

Overview

The AddressBase Islands product family is made up of two products; AddressBase Plus Islands and AddressBase Premium Islands.

AddressBase Islands products are created by bringing together different address sources:

- Local Authority Information from the Land and Property Services (Northern Ireland),
- Local Authority Information from the Isle of Man Government,
- Local Authority Information from the Channel Islands,
- Royal Mail® PAF® data,
- Additional addresses and coordinates from Ordnance Survey.

This information is managed by GeoPlace under a joint venture partnership between Local Government Agency and Ordnance Survey.

Ordnance Survey is responsible for customer management, sales, marketing and distribution of the AddressBase Islands products.

Key Features

Explanation of AddressBase products

Product name	AddressBase Premium Islands	AddressBase Plus Islands
Features	<ul style="list-style-type: none">• UPRN• Current / Live addresses• Alternative addresses• Provisional addresses• Historical addresses• Royal Mail Postcode Address File• National Grid coordinates (for applicable areas)• Latitude and Longitude coordinates• Four levels of classification• Feature life cycle dates• Local authority addresses• Multiple occupancy addresses• Local authority street information• USRN (Unique Street Reference Number)• Street start and end coordinates• Parent/child relationships• Cross References to source data	<ul style="list-style-type: none">• UPRN• Current / Live addresses• Royal Mail Postcode Address File• National Grid coordinates (for applicable areas)• Latitude and Longitude coordinates• Four levels of classification• Feature life cycle dates• Local authority addresses• Multiple occupancy addresses• Local authority street information• USRN (Unique Street Reference Number)• Parent/child relationships

Coordinate Reference Systems

AddressBase Islands products use two Coordinate Reference Systems (CRS).

- British National Grid (BNG),
- European Terrestrial Reference System 89 (ETRS89).

BNG uses the OSGB36® geodetic datum and a single Transverse Mercator projection for the whole of Great Britain. Positions on this projection are described using Easting and Northing coordinates in units of metres. The BNG is a horizontal spatial reference system only; it does not specify a vertical (height) reference system. Address records will have a BNG coordinate where possible in the AddressBase Islands product, as areas such as the Channel Islands do not fit on the BNG.

ETRS89 is the EU recommended frame of reference for European data, and is represented in AddressBase Islands products as Latitude and Longitude values. ETRS89 is a horizontal spatial reference system only; it does not specify a vertical (height) reference system. The ETRS89 coordinates are mandatory for the AddressBase Islands products, meaning all address records will have these coordinates.

A guide to coordinate systems in Great Britain is available at:

<http://www.os.uk/docs/support/guide-coordinate-systems-great-britain.pdf>

High-level product view



Figure 1: Overview of product content

Applications

Product Name	AddressBase Premium Islands	AddressBase Plus Islands
Suggested application	Planning, mailing, postal delivery, analysis, statistics, strategic decision-making, address matching and verification, customer relationship management (CRM), web mapping, live 'front line' operational use.	Planning, mailing, postal delivery, analysis, statistics, strategic decision-making, address-matching and verification, CRM, web mapping.
Benefits	<ul style="list-style-type: none"> - Reduces the effort of maintaining address information across multiple departments. - Facilitates data-sharing between multiple organisations and departmental systems. - Connectivity – with the UPRN as the key identifier for a property/address systems can share information without the need for multiple matching processes needing to be in place. - Created from a central hub managed by GeoPlace to bring all the address information together to ensure data management and update consistency. 	

Chapter 2 The Product

Initiative

Through collective agreements between Ordnance Survey, Land and Property Services (Northern Ireland), Isle of Man Government and The Channel Islands Government an address offering has been created providing a single format of addressing for these three areas.

What this means

The creation of AddressBase Islands products brings together:

- Local Authority Information from the Land and Property Services (Northern Ireland),
 - Local Authority Information from the Isle of Man Government,
 - Local Authority Information from the Channel Islands,
 - Royal Mail® PAF® data,
 - Additional addresses and coordinates from Ordnance Survey.
- **Land and Property Services** (Northern Ireland) – providing address information maintained by the Land and Property Services with input from Local Authorities and Royal Mail in Northern Ireland. The data provides address information for addressable buildings in Northern Ireland, as well as a Unique Property Reference Number (UPRN) for each record.
 - **Isle of Man** – provides the most up-to-date address information for the entirety of Isle of Man, in a British Addressing Standard format. This data includes a Unique Property Reference Number (UPRN) for each address record, as well as maintaining lifecycle information.
 - **Channel Islands** - provides the most up-to-date address information for the entirety of the Channel Islands. Information is supplied for the Channel Islands via Digimap.
 - **Ordnance Survey** provides a wide range of additional addresses including Parent and Street records, as well as attribution such as Postcodes where necessary to ensure the AddressBase Islands product reflects the same structure as the core AddressBase products. Ordnance Survey also provide the BNG and ETRS89 coordinates which are translated from the source data to ensure a consistent CRS throughout the product.
 - **PAF®** brings the additional attribution from Royal Mail for all addresses that are identified as receiving post.

Chapter 3 Roles and Responsibilities

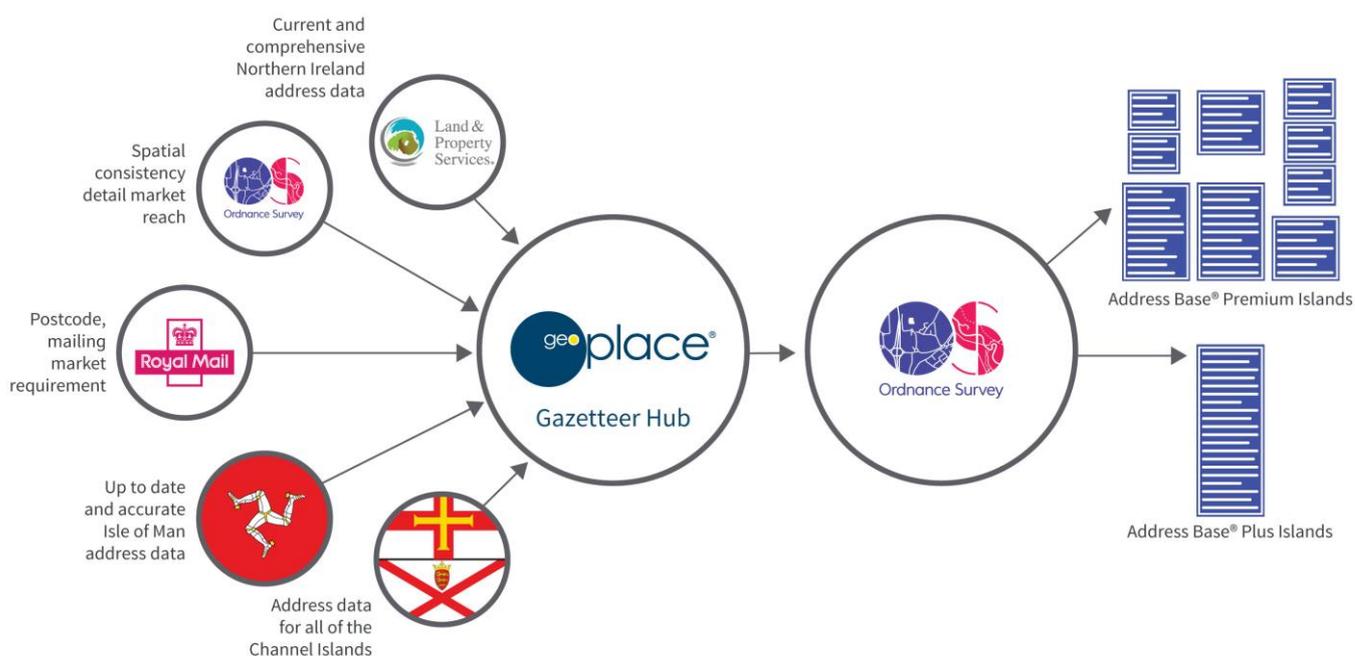
GeoPlace

GeoPlace is a limited liability partnership jointly owned by the Local Government Agency and Ordnance Survey and is the centre of excellence for spatial address and street information in Great Britain.

GeoPlace already manage and provide services relating to the creation of the AddressBase products for Great Britain but also now have the responsibility for the maintenance and collation of the data which is used for the AddressBase Islands products. GeoPlace therefore brings together the address information from Northern Ireland, Channel Islands and the Isle of Man as well as information from Ordnance Survey and Royal Mail.

The database hub is updated by GeoPlace based upon the receipt of data from all of the contributing data sources.

GeoPlace manage this hub and provide address and street information to be utilised in the AddressBase Islands products.



Local Authority Contribution

One of the key strengths of AddressBase Islands products is the contribution of Local Authorities in the maintenance of the data.

Local Authorities have a wealth of information which allows them to ensure the address data is the most accurate and up to date as possible. The information they are able to use includes:

- Building and Development control,
- Planning and Land Charges,
- Waste Collection,
- Electoral Roll

Unique Property Reference Number (UPRN)

The UPRN is the persistent identifier providing consistency across the AddressBase Islands and AddressBase products range.

Each address record has a UPRN, which provides a reference key to join related address records across different datasets.

Throughout its life cycle, information on the address of a property can change. This may be due to a change of name, change of use, or the eventual demolition of the property. All of these changes are reflected against the same UPRN meaning users are aware that it is the same physical property.

Currently the Isle of Man is allocated a batch of sequential UPRNs by GeoPlace which are allocated upon a new address record being created.

The allocation of UPRNs in Northern Ireland is controlled by the Land and Property Services and are allocated on a 'next in line' basis therefore are not allocated in batches but maintained centrally.

The UPRNs for the Channel Islands are created and managed centrally by GeoPlace.

Chapter 4 Overview of the AddressBase Islands products

Two products have been designed to meet distinct customer requirements. The source data is collated, verified and quality assured by GeoPlace in association with Ordnance Survey.

AddressBase Premium Islands

AddressBase Premium Islands provides the most detailed view of an address and its life cycle for Northern Ireland, Isle of Man and the Channel Islands. It has over 1.1 million addresses as well as providing over 1 million cross references back to the source data.

The product contains Local Authority, Ordnance Survey and Royal Mail addresses. This includes current addresses; provisional addresses (proposed planning developments), and historic information (demolished properties) where available.

AddressBase Plus Islands

AddressBase Plus Islands contains current properties using addresses sourced from Local Authorities, Ordnance Survey and Royal Mail for Northern Ireland, Channel Islands and the Isle of Man. The product currently contains approximately 1 million records.

The product enables the end-user to locate an address or property on a map using either X, Y coordinates supplied on a British National Grid (please note not all addresses in AddressBase Islands will have an X and Y coordinate – please see [Chapter 1](#)), or Latitude and Longitude coordinates provided on an ETRS89 projection.

Classifications

Classification schemes are used in both AddressBase Islands products, with both products utilising the same classification scheme.

The granularity of the classifications provided depends not only on the source data capture but also the source itself. As Northern Ireland and the Channel Islands do not capture addresses in the same capture specifications as reflected in the AddressBase products a varying level of classifications will be displayed.

The most granular classification which can be provided as part of the ‘AddressBase Premium Classification Scheme’ (this is the scheme utilised in both AddressBase Plus Islands and AddressBase Premium Islands) is four digits.

Example of a detailed classification

R	Residential	D	Dwelling	03	Semi Detached
C	Commercial	A	Agriculture		

Chapter 5 Product supply

Supply Format

AddressBase Islands products are available in two formats:

- Comma-Separated Values (CSV) ,
- Geography Markup Language (GML) version 3.2

Both of these formats can either be supplied as a Full Supply, or Change Only Update (COU).

Supply Media

AddressBase Islands products incorporate a web based ordering system that allows customers to order initial data supply and updates, obtain price estimates and view details of their data holdings on demand.

<http://www.os.uk/business-and-government/help-and-support/products/how-to-buy.html>

Coverage

AddressBase Islands products provide address data for Northern Ireland, Channel Islands and Isle of Man.

Non Geographic Chunking

To make the management of large areas easier, the AddressBase Islands data is split into chunks of smaller data. This supply mechanism is referred to as non-geographic chunks. Non-geographic chunking is a way of dividing up data into chunks that are supplied in separate volumes that have a fixed maximum number of records, as opposed to a given geographic National Grid area which would not be suitable for the AddressBase Islands products. For this reason, it is possible for features from various geographic locations to appear in one volume and for adjacent features to appear in different volumes.

Non-geographic chunk volumes are designed to be loaded into spatial databases, but can be used in a file format as long as all chunks are translated or imported into the system at the same time.

For the csv supplies a maximum of one million complete address records will be contained within one volume, when the limit is reached, a new volume will be started.

For the GML supply a maximum of 200,000 features will be provided in one volume before the next one is started.

This will be the only supply mechanism available for the AddressBase Islands products.

Change-only update

Change-only update (COU) is a supply of features which have been created, changed or deleted since the last supply.

Any feature which has not undergone one of the above changes since a customer's last supply will not be supplied as part of a COU.

COU will be supplied on a six-weekly basis.

Chapter 6 Further Information

Further information about the AddressBase Islands products can be found on the Ordnance Survey Website:

<https://www.ordnancesurvey.co.uk/business-and-government/products/addressbase-products.html>

Technical Specifications:

[AddressBase](#)

[AddressBase Plus](#)

[AddressBase Premium](#)

Getting Started Guide:

[AddressBase Products](#)

Ordnance Survey:

<http://os.uk>

Annexe A Product and service performance report form

Ordnance Survey welcomes feedback from its customers about AddressBase Islands.

If you would like to share your thoughts with us, please print a copy of this form and when completed post or fax it to the address below.

Your name:

Organisation:

Address:

.....

.....

Postcode:

Phone:

Fax:

Email:

Quotation or order reference:

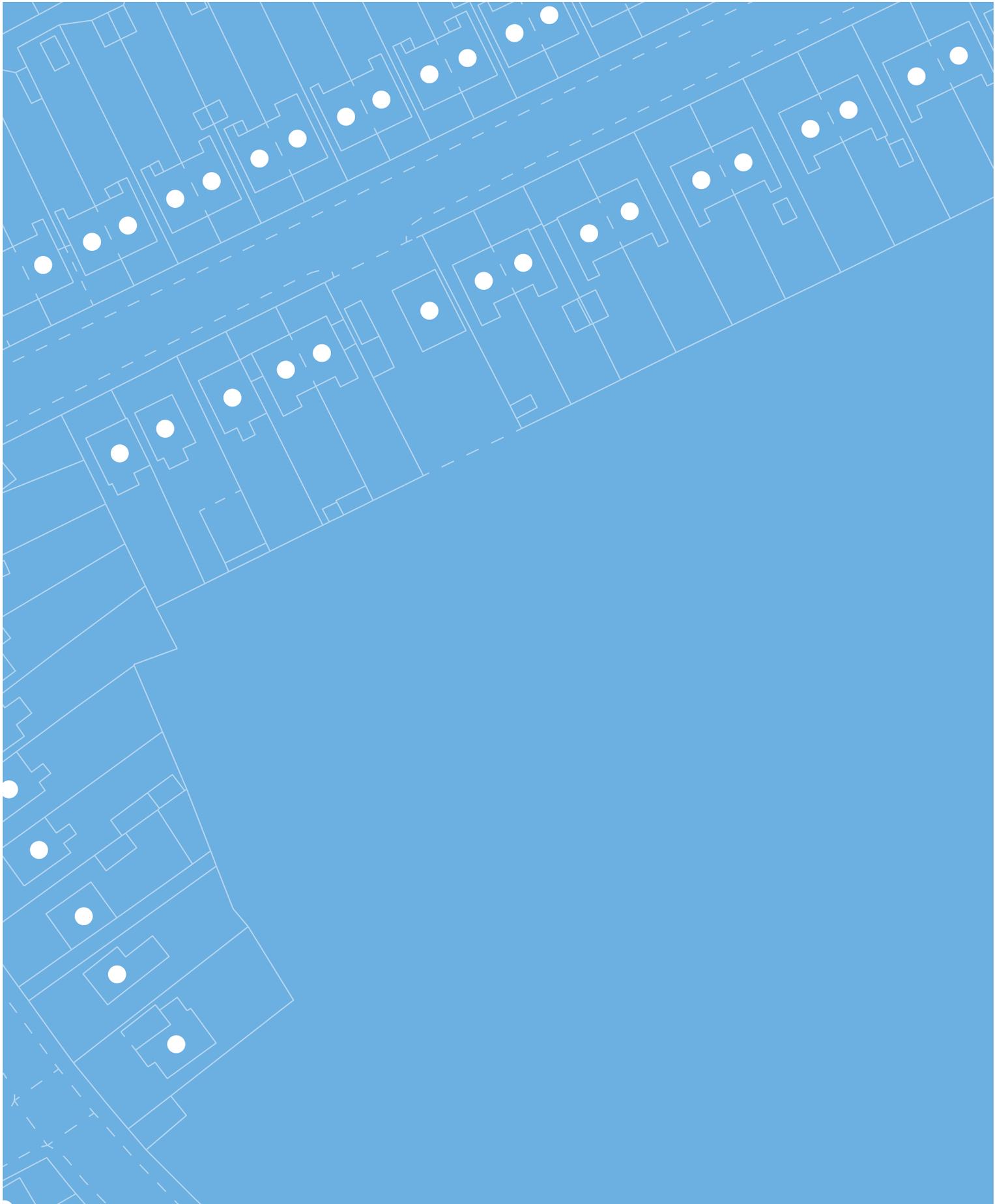
Please record your comments or feedback in the space below. We will acknowledge receipt of your form within three (3) working days and provide you with a full reply or a status report within 21 working days.

If you are posting this form, please send it to:

AddressBase Islands Product Manager, Ordnance Survey, Adanac Drive, SOUTHAMPTON, SO16 0AS.

If you wish to return it by fax, please dial 02380 056 159.

Any personal information that you supply with this report form will be used by Ordnance Survey only in the improvement of its products and services. It will not be made available to third parties.



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