



ORDNANCE SURVEY GB

POINTS OF INTEREST – PRODUCT INFORMATION

Version history

Version	Date	Description
4.0	09/2019	Specification change.
4.1	12/2020	Specification change – Removal of verified address.
4.2	08/2021	Specification change – Removal of provenance categories and media format.
4.3	02/2022	Minor formatting updates. Removal of tables from Annex A to avoid duplication as the Classification Scheme tables are available in a separate document.

Purpose of this document

This document provides information about and insight into the Points of Interest product and its potential applications. For information on the contents and structure of Points of Interest, please refer to the Technical Specification and Classification Scheme documents.

The terms and conditions on which Points of Interest is made available to you and your organisation are contained in that Ordnance Survey customer contract. Please ensure your organisation has signed a valid current customer contract to be able to use Points of Interest.

We may change the information in this document at any time, giving you the notice period set out in your contract. We do not accept responsibility for the content of any third-party websites referenced or accessed in or through this document.

This document has been screened according to Ordnance Survey's Equality Scheme. If you have difficulty reading this information in its current format and would like to find out how to access it in a different format (braille, large print, computer disk or in another language), please contact us on: +44 (0)3456 05 05 05.

Copyright in this document

© Ordnance Survey Limited 2022. This document (including for the avoidance of doubt, any mapping images reproduced within it) is protected by copyright and apart from the rights expressly granted within this document to use the content, all rights are reserved. Any part of this document may be copied for use internally in your organisation or business so that you can use Points of Interest under the terms of your licence (but not otherwise).

No part of this document may be reproduced or transmitted in any form or by any means (including electronically) for commercial exploitation, onward sale or as free promotional material without getting the written consent of Ordnance Survey beforehand.

Trademarks

Ordnance Survey, OS and the OS Logos are registered trademarks, and Points of Interest is a trademark of Ordnance Survey, Britain's mapping agency.

PAF, PO Box, Post Office and Royal Mail are registered trademarks of Royal Mail Group Ltd.

PointX trademark being a trademark of PointX Limited.

Contact details

[OS website 'Contact us' page \(https://www.ordnancesurvey.co.uk/contact-us\)](https://www.ordnancesurvey.co.uk/contact-us).

Contents

1.	Introduction to the product.....	4
1.1	Product applications	4
1.2	Roles and responsibilities	5
1.3	Coverage	5
1.4	Product supply mechanism and file size.....	5
1.5	Product update schedule.....	5
1.6	Glossary	5
2.	Using Points of Interest.....	6
2.1	Viewing the data	6
2.2	Styling the data.....	7
2.3	Backdrop mapping.....	8
3.	Classification.....	9
4.	Data measures and data sources.....	11
4.1	Positional accuracy.....	11
4.2	USRN match indicators	12
4.3	Addressing.....	12
4.4	Unique referencing.....	13
4.5	Sources of data	13
4.6	Classification	13
	Annex A: Classification scheme.....	14
	Annex B: Points of Interest symbology	15
	Symbology: Categories	15
	Symbology: Additional Classes – colour bitmaps.....	16
	Annex C: Points of Interest provenance	18
	Annex D: Glossary.....	20

I. Introduction to the product

This product information document describes the main features of the product, suggests how customers can use the data and explains how the data is supplied. Everyone reading this document will gain an understanding of the key concepts of the data and the benefits an organisation can obtain from using it within location-based applications.

The Points of Interest product is a comprehensive location-based directory of all public and privately owned businesses, educational institutions and leisure services in Great Britain. It contains over four million records, which are sourced and quality-checked from over a hundred leading listing suppliers. It's updated four times a year, so you'll always be working with current information.

I.1 Product applications

For the public sector, Points of Interest lets you identify gaps in services and analyse changes in city centre retail space over time. This helps you to maintain a quality environment for residents, shoppers and visitors.

Using the Points of Interest product, you can:

- Identify places by their use and function as well as by their postal address or location. Each record also contains a telephone number, web address and brand, where appropriate.
- See commercial addresses for organisations across Great Britain, including phone numbers and web URLs for major businesses. Over 45% of Points of Interest records are businesses.
- Use the detailed company classifications linked to addresses to conduct detailed competitor and site analysis to help you identify the potential location of your next high street outlet.
- Access information on the following themes: accommodation, eating and drinking, commercial services, attractions, sport and entertainment, education and health, public infrastructure, manufacturing and production, retail and transport.

As each feature is provided with a national grid coordinate, it can be visualised as points on a map using a geographical information system (GIS).

Common applications for which customers are already using Points of Interest include:

- Citizen information services
- Distribution and provision of facilities and infrastructure
- Emergency planning
- Location-based services
- Tourism

Each feature comes with a set of attributions that can be manipulated and analysed within a GIS or database so that customers can customise the data and learn more about the facilities within their chosen geographic areas.

1.2 Roles and responsibilities

Points of Interest is created and maintained by [PointX](https://www.pointx.co.uk/home) (<https://www.pointx.co.uk/home>), an independent company in the joint ownership of Ordnance Survey and Landmark Information Group. Ordnance Survey is the sole 'data only' distributor for Points of Interest.

PointX collects data from around 140 suppliers, including Ordnance Survey. It receives updates from these suppliers on an ongoing basis. The suppliers are chosen for being the most authoritative source for the particular type of feature they supply, and for the quality and completeness of their data. It should be noted however, that for many types of features there are no absolute definitive source, nor can any list of the types of features found in Points of Interest be said to be complete. Points of Interest therefore comes with a number of indicators as to the likely currency and positional accuracy of any given set, which should be taken into consideration when using the data.

PointX runs verification checks, provides National Grid coordinates, and classifies each feature. The data is sent quarterly to Ordnance Survey who distributes it to customers. Ordnance Survey manages the customer relationship.

The suppliers are responsible for providing the data to PointX in a manner and timescale agreed between them.

1.3 Coverage

Coverage is Great Britain.

1.4 Product supply mechanism and file size

Points of Interest customer orders are currently supplied via a Secure URL. The current size of a full supply is about 1Gb.

1.5 Product update schedule

Points of Interest is supplied to customers quarterly in March, June, September and December, incorporating any updates made by the revision programme.

1.6 Glossary

Please refer to [Annex D: Glossary](#) as you work through this document.

2. Using Points of Interest

The primary use of Points of Interest is to allow identification of different facilities, resources or functions within the built and natural environment.

The data can be used within a table format, such as a spreadsheet or a database, to create gazetteer or list type applications that allow people to search for a particular facility or resource. These applications make use of the attributes supplied for each feature and depend on the application system having a searching or querying facility that the customer can supply with search criteria.

To achieve the greatest possible value from the data, it is best viewed and analysed within a GIS. The combination of Points of Interest with topographic mapping gives context to the features, which cannot be derived from using it within a table or spreadsheet. Depending on the functionality of the GIS, it also provides the opportunity to:

- Group the features into other subsets of data.
- Combine the data with your own complementary datasets or with other Ordnance Survey products.
- Customise the appearance of the Points of Interest features to suit your requirements. To get customers started, Ordnance Survey provides a suggested set of symbols, which are available from the Links and downloads section of the [Points of Interest Product Support page on the OS website](https://www.ordnancesurvey.co.uk/business-government/tools-support/points-of-interest-support) (<https://www.ordnancesurvey.co.uk/business-government/tools-support/points-of-interest-support>).
- Extend the queries on the attributes by using a spatial element.

2.1 Viewing the data

Points of Interest can be displayed within a GIS by using the Easting and Northing coordinates to display each feature's geographic location as a point. The National Grid coordinates that accompany each feature allows it to be displayed as a point, in its correct position with regards to the National Grid and any other map based on the same reference system.

The simplest way to display the product is to render all points with a single colour and shape, as shown in Figure 1, below. These can then be labelled with the classification code to understand what each point represents. By providing the context of the physical environment within which the Points of Interest features exist can add another dimension of meaning to the data. It allows a spatial understanding of the features to develop.

Points of Interest is completely customisable in terms of the way you choose to symbolise the points. The way in which the data appears on a screen is likely to be a combination of your wishes and the functionality of the system being used to display the points.

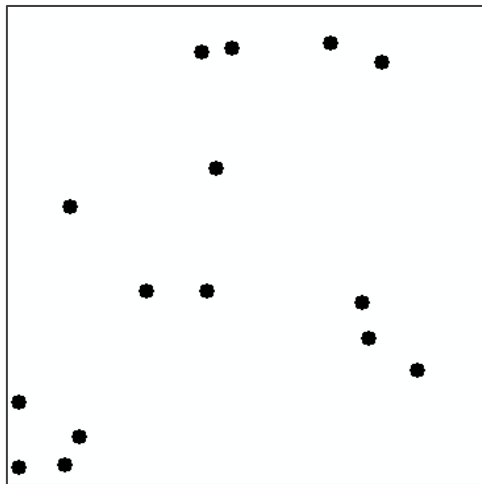


Figure 1: Points of Interest rendered with a single and simple symbology.

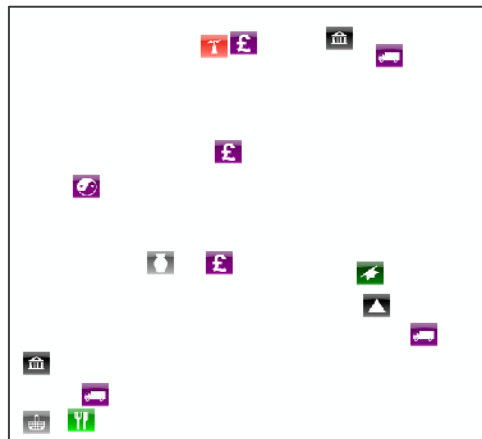


Figure 2: Points of Interest rendered with category symbology.

2.2 Styling the data

Most GIS have tools that provide options for rendering data on screen. Ordnance Survey has developed a set of symbols to use with the Points of Interest dataset, so that customers can render the data very quickly. This suggested set of symbols is available to view and download from the Links and downloads section of the [Points of Interest Product Support page on the OS website](https://www.ordnancesurvey.co.uk/business-government/tools-support/points-of-interest-support) (<https://www.ordnancesurvey.co.uk/business-government/tools-support/points-of-interest-support>).

Using a symbol set that makes use of Category level of classification means that the viewer can understand the information quickly. Comparing Figure 1 with Figure 2, which shows Points of Interest data rendered with a set of the supplied symbols, it is possible to get an idea of the range and type of features that are in this area without querying the attribution.

The symbol sets are supplied in:

- Black and white bitmaps
- Colour bitmaps
- TrueType font

Refer to [Annex B](#) for the colour symbols. Table 2 illustrates the colour symbols used for each of the 52 Categories. Table 3 illustrates the additional colour symbols used for certain Classes.

2.3 Backdrop mapping

The real benefits of Points of Interest within a GIS can be seen when displaying the features over some backdrop mapping. This adds real-world context to the features. Points of Interest features are best used in combination with a large-scale product such as OS VectorMap Local, an example of which is used in Figure 3. This allows both clarity and the ability to derive additional value from both products. A slightly smaller scale backdrop, such as OS VectorMap District, can also provide the necessary context. An example is shown in Figure 4.

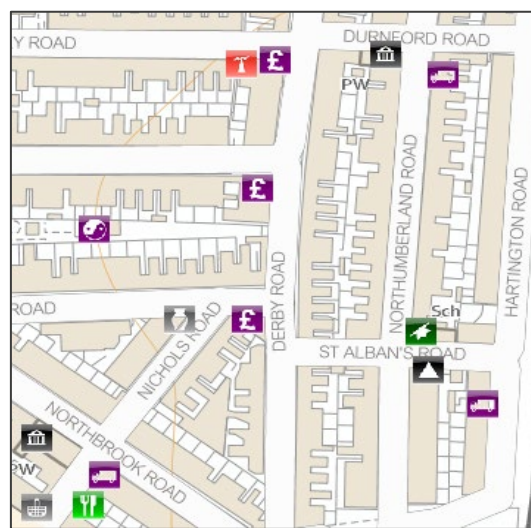


Figure 3: Points of Interest over OS VectorMap Local (1:3,000).



Figure 4: Points of Interest over VectorMap District (1:10 000).

Whilst it is possible to view the data at any scale, the smaller the scale, the harder it is to see what real-world feature the point represents. There are problems of points either being difficult to distinguish from each other or, if they are set to enlarge as the map is zoomed out, they can disappear behind each other, as shown in Figure 4.

3. Classification

Classification provides structure to the data which helps when storing it. It provides a way of ordering the data, a means of visualising it, and a way for customers to find the features they are interested in quickly.

Points of Interest has its own classification scheme with each feature assigned to a Class within the system. The classification is central to the Points of Interest dataset as it provides a hierarchical structure to the data that makes it efficient to store in a computer system and easier to search. It also provides a means of subdividing the data so that customers can order only the features they want.

The classification was created by PointX. It is designed to be comprehensive, intuitive and easy to use. It provides the necessary level of detail to be useful and flexible without being so complex that it becomes difficult to use the product in applications. There are three levels of classification: Group, Category and Class.

Level 1 comprises nine Groups and provides the broadest categorisation.

Level 2 comprises 52 Categories which are broken down into more than 600 Classes to form the third level of the classification scheme. This is the most specific level of classification. The full classification is given in a separate Classification Scheme document which is available from the [Points of Interest Product Support page on the OS website](https://www.ordnancesurvey.co.uk/business-government/tools-support/points-of-interest-support) (<https://www.ordnancesurvey.co.uk/business-government/tools-support/points-of-interest-support>). Over the life of the product, some Classes have been changed, added or merged with other classes, which is why numbers in the tables are not sequential.

Having three levels of classification enables customers to make general searches. For example, at the Group level, education and health, specific searches at the Category level, such as primary, secondary and tertiary education, or specialist searches, such as special schools and colleges, at the Class level.

You can order Points of Interest at either the Group or the Category level. Features are allocated a classification based on either:

- A classification provided by the original data supplier.
- Where no classification is provided, PointX uses its experience and understanding of the dataset itself, or elements within it, to allocate a classification.

Classifications make it easy to use database or GIS tools to search, analyse and display features based on their Class. When used in conjunction with the attribution, it is possible to compile, for instance, a list of the names and addresses of estate agents within a given geographic area. In Figure 5, the classification has been utilised to display all *Bus Stops* within an area using the classification code 10590732.

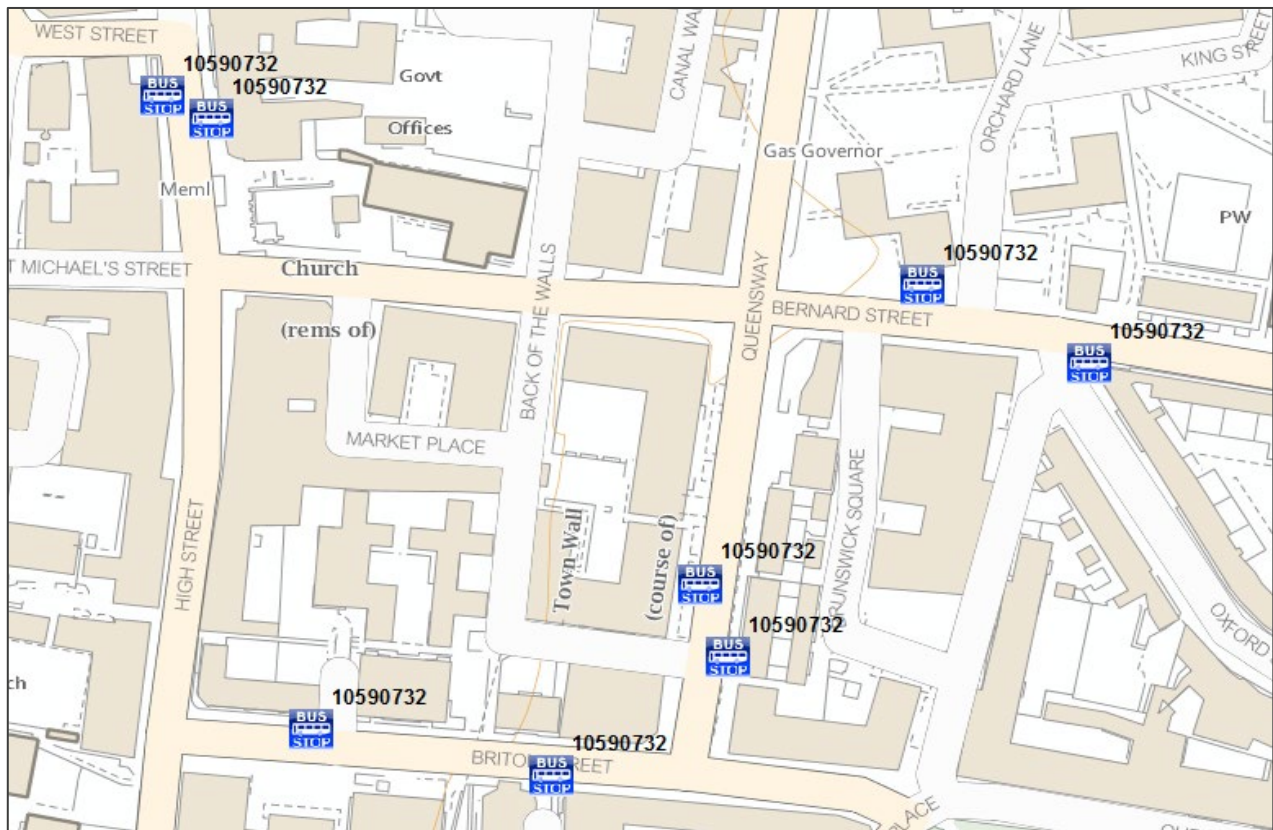


Figure 5: Example of using classification to display symbology and perform spatial analysis.

This breaks down as:

Group: 10 = Transport
Category: 59 = Bus Transport
Class: 0732 = Bus Stops

The structure of Points of Interest can be described as relational in nature. Each Group has one or more Categories below it. Each Category in turn has one or more Classes related to it. This type of structure is used extensively in database management technologies as it provides a way of storing the data in a way that reduces the amount of space required and speeds up the retrieval of information. Having this classification, therefore, provides an opportunity to store the data in an efficient way.

4. Data measures and data sources

Supplier data is supplied to PointX in a wide variety of formats. Some of the data is supplied without grid references and specific attribution, therefore efforts are made to supply this data. The success of this identification is measured by the accuracy flags such as positional accuracy and match indicators.

4.1 Positional accuracy

Ordnance Survey data and specialised geocoding software is used to achieve positional accuracy and to provide a confidence level indicator for each record. Data that cannot be given coordinates due to insufficient location or address detail are not supplied in the Product. It is very important that customers take the positional accuracy value of the feature into account when using it in applications.

The positional accuracy falls into one of the following categories:

- Positioned to the address or location, usually within the building footprint.
- Positioned to an adjacent address or location for non-addressable features.
- Positioned to the road within the address or location.
- Positioned within the geographical locality.

Typically, most records are positioned on or adjacent to the address or location of the feature. A very small proportion of records are positioned to the road within the address or location, or within the geographic locality of the feature. A positional accuracy code of 3 or 4 is used only for ATMs (cash machines), Wi-Fi hotspots and public telephones, where the data is sourced from a single authoritative and non-duplicated source. Continuous efforts are made to improve the accuracy of the geocoding, as shown in Table 1.

Table 1: Range of positional accuracy codes.

Positional accuracy code	% of total dataset – December 2010	% of total dataset – September 2014	% of total dataset – April 2019
1	71.75	79.87	86.22
2	27.21	19.28	13.66
3	0.84	0.70	0.07
4	0.20	0.15	0.05
Total	100.00	100.00	100.00

If the **positional accuracy is stated as ‘1’**, the coordinates should fall within the footprint of the real-world feature in question, typically a building or structure.

Where the **positional accuracy is stated as ‘2’**, the coordinates will either be placed centrally in the text that relates to the feature – and may be within the extent of the feature – or will be positioned close to the true location of a part of the feature. In practice, it will probably be within 10 metres of either the feature or an edge of the feature’s geographic extent, although this cannot be guaranteed.

A positional accuracy of ‘3’ indicates that the coordinates are placed centrally on the correct road. As road lengths vary and the central position could be very near or a long way from the true location on the road, it is difficult to say exactly how far these instances might be shown from their true location. In the majority, it is to be expected that the assigned coordinate could be up to a kilometre away, with a small number being even farther.

A positional accuracy of ‘4’ means that the location assigned is in the correct geographic locality, such as the right village or industrial estate, and that it has not been possible to locate to a specific relevant road. Depending on how big the geographic locality in question is, the record’s true location could in reality be up to a few kilometres from the reported coordinates.

4.2 USRN match indicators

Each Points of Interest feature is matched to the closest road by performing an attribution and spatial match between the feature and OS MasterMap Highways Network. This results in each feature being given a Unique Street Reference Number (USRN). The match accuracy between the Points of Interest feature and the OS MasterMap Highways Network is determined from the USRN Match Indicator attribute. It is again very important that customers take this match indicator value of the feature into account when using it in applications.

If the **match indicator is stated as ‘1’** the Points of Interest feature has been matched against the OS MasterMap Highways Network using the Unique Property Reference Number (UPRN) from AddressBase and the USRN.

Where the **match indicator is stated as ‘2’**, the feature has been matched spatially to the road which appears in either the address detail or street name attributes. For more information on these individual attributes please see the Technical Specification.

A match indicator of ‘3’ indicates that the USRN has been spatially matched to the nearest road in the OS MasterMap Highways Network.

Please be aware that a match indicator of 3 may not necessarily be the access road to the feature.

4.3 Addressing

The data contains both addressable and non-addressable records. Structured address information is only provided for those records that are addressable and can be successfully matched against AddressBase Plus.

AddressBase Plus contains current properties using addresses sourced from Local Authorities, Ordnance Survey and Royal Mail for England, Wales and Scotland. The Unique Property Reference Number (UPRN) is the unique identifier for every addressable location in Great Britain.

Records that have been successfully matched will have a UPRN. Attempts have been made to provide address information where possible when not matched against AddressBase Plus.

4.4 Unique referencing

Records have been attributed with both a TOID and TOID version that have been directly derived from area features within OS MasterMap Topography Layer based on the grid reference of the feature. There will be a number of features where a TOID value will not be provided because the feature does not sit within the correct OS MasterMap Topography Layer polygon, and these will have a TOID value of *Not Assigned* and a TOID version of '0'.

4.5 Sources of data

There are two main sources of data that provide approximately 80% of the Points of Interest features. The authoritative source for a type of feature is used to build the dataset where possible. Approximately 140 suppliers are used to create the dataset. [Annex C](#) lists all the suppliers and indicates their level of contribution to the dataset.

4.6 Classification

PointX relies upon approximately 140 data suppliers to provide the initial classification of each of the records. This is then used to allocate the appropriate class to the feature which can lead to examples where different classes are applied to the same real-world feature, dependent upon the base classification used by the different data suppliers. Part of the production process for the current product involves the removal of multiple instances of what is believed to be the same feature, it is possible that individual instances of what are, in fact, the same type of feature can be reported in different classes.

Annex A: Classification scheme

The classification scheme for Points of Interest is available on the [Points of Interest Product Support page on the OS website](https://www.ordnancesurvey.co.uk/business-government/tools-support/points-of-interest-support) (<https://www.ordnancesurvey.co.uk/business-government/tools-support/points-of-interest-support>).

The classification scheme has three levels of information:

- There are 9 Groups at the first level and each Group is numbered 01–07, 09, 10. Numbering is not sequential.
- There are 52 Categories at the second level, numbered 01–60. Numbering is not sequential.
- There are over 600 Classes at the third level.

Customers can select Points of Interest from the Group and Category level.

Annex B: Points of Interest symbology









































Symbology: Categories








































Table 2: Colour bitmap symbols for Points of Interest Categories.

Points of Interest Symbology		
01 Accommodation, eating and drinking		
01 Accommodation		
02 Eating and drinking		
02 Commercial services		
03 Construction services		
04 Consultancies		
05 Employment and career agencies		
06 Engineering services		
07 Contract services		
08 IT, advertising, marketing and media services		
09 Legal and financial		
10 Personal, consumer and other services		
11 Property and development services		
12 Recycling services		
13 Repair and servicing		
14 Research and design		
15 Transport, storage and delivery		
60 Hire Services		
03 Attractions		
16 Botanical and zoological		
17 Historical and cultural		
18 Recreational		
19 Landscape features		
20 Tourism		
58 Bodies of water		
04 Sport and entertainment		
21 Sport and entertainment support services		
22 Gambling		
23 Outdoor pursuits		
24 Sports complex		
25 Venues, stage and screen		
05 Education and health		
26 Animal welfare		
27 Education support services		
28 Health practitioners and establishments		
29 Health support services		
31 Primary, secondary and tertiary education		
32 Recreational and vocational education		
06 Public infrastructure		
33 Central and local government		
34 Infrastructure and facilities		
35 Organisations		
07 Manufacturing and production		
37 Consumer products		
38 Extractive industries		
39 Farming		
40 Foodstuffs		
41 Industrial features		
42 Industrial products		
09 Retail		
46 Clothing and accessories		
47 Food and drink and multi item retail		
48 Household, office, leisure and garden		
49 Motoring		
10 Transport		
53 Air		
54 Road and rail		
55 Walking		
56 Water		
57 Public transport, stations and infrastructure		
59 Bus transport		

Symbology: Additional Classes – colour bitmaps

Table 3: Colour bitmap symbols for selected Points of Interest Classes.

Points of Interest Symbology			
01 Accommodation, eating and drinking			
Guest houses and B&B	 	Banqueting and Function rooms	 
Camping and Caravaning	 	Cafes	 
Hostels	 	Fast Food Delivery	 
Hotels	 	Fast Food and Takeaway	 
Self Catering	 	Fish and chip shops	 
Timeshare	 	Internet Cafes	 
Youth Hostels	 	Pubs, Bars and Inns	 
		Restaurants	 
02 Commercial services			
ATMs	 	Financial Institutions	 
03 Attractions			
Aquaria	 	Commons	 
Bird reserves	 	Country Parks	 
Butterfly farms	 	Picnic Areas	 
Farm based attractions	 	Playgrounds	 
Horticultural attractions	 	Scenic features	 
Salmon ladders	 	Trigonometric points	 
Zoos	 	Tourist Information centres	 
Archaeological sites	 	Planetaria and laseria	 
Art Galleries	 	Model villages	 
Battlefields	 	Railways	 
Historic and ceremonial structures	 	Visitor centres	 
Historic buildings	 	Theme parks	 
Historic ships	 	Unspecified attractions	 
Museums	 	Bodies of water	 
04 Sport and entertainment			
Angling	 	Racecourses	 
Combat, laser and paintball games	 	Shooting facilities	 
Hot air ballooning	 	Ski slopes	 
Outdoor pursuit organisers	 	Snooker and Pool halls	 
Parachuting	 	Sports grounds	 
Hang gliding	 	Squash courts	 
Riding schools	 	Swimming pools	 
Water sports	 	Tennis facilities	 
Athletics facilities	 	Velodromes	 
Bowling facilities	 	Cinemas	 
Climbing facilities	 	Conference and exhibition centres	 

Golf		Discos	
Leisure centres and gymnasiums		Nightclubs	
Ice skating		Social clubs	
Motorsports		Theatres	
05 Education and health			
Accident and Emergency Hospitals		Hospices	
Chemists and pharmacies		Hospitals	
Clinics		Nursing and Care Homes	
Dentists		Opticians	
Doctors			
06 Public infrastructure			
Coastguard Stations		Fire Stations	
Police Stations		Ambulance Stations	
Halls and community centres		Public toilets	
Letter boxes		Recycling centres	
Libraries		Refuse disposal	
Places of worship		Wi-Fi	
Public telephone		Wi-Fi	
10 Transport			
Helipads		Petrol and fuel stations	
Bridges		Roadside telephone boxes	
Motorway service stations		Tunnels	
Parking		Ferries and ferry terminals	

Annex C: Points of Interest provenance

The following percentages are indicative only. They were correct as of August 2019 but are subject to change at each quarterly supply without notice.

Provenance	Contribution (%)
Ordnance Survey	43.68%
118 Information	37.02%
Department for Transport	8.86%
Local Data Company	3.84%
Wilmington Healthcare Ltd	1.22%
Vocalink	1.13%
Edubase	0.64%
PayPoint	0.63%
Department for Transport (Parking)	0.51%
PointX	0.43%

Additional Suppliers to Points of Interest (supplying <3% of total features between them)

Association of Scottish Visitor Attractions	Humberside Police	Royal Mail
Avon & Somerset Constabulary	Information and Analytical Services Division - Education Department	Royal Society for the Protection of Birds
Avon Fire Brigade	Isle of Wight Ambulance Service	Scottish Ambulance Service
Bedfordshire and Luton Fire and Rescue Service	Isle of Wight Fire & Rescue	Scottish Court Service
Bedfordshire Police	Kent County Constabulary	Scottish Fire and Rescue Service
British Wind Energy Association	Kent Fire Brigade	Shropshire Fire & Rescue
BT Openzone	Lancashire Constabulary	South Central Ambulance Service
Buckinghamshire Fire & Rescue Service	Lancashire Fire and Rescue Service	South East Coast Ambulance Service
Cambridgeshire Constabulary	Leicestershire Constabulary	South Wales Fire Service
Cambridgeshire Fire & Rescue Service	Leicestershire Fire & Rescue	South Wales Police
Cheshire Constabulary	Lincolnshire Fire & Rescue	South Western Ambulance Service
Cheshire Fire Service	Lincolnshire Police	South Yorkshire Fire & Rescue
City of London Police	London Ambulance Service	South Yorkshire Police Headquarters
Cleveland Fire Brigade	London Fire Brigade	Sport Scotland
Cleveland Police	London Metropolitan Police	Sports Council for Wales
Cornwall County Fire Brigade	Merseyside Fire Service	Staffordshire Fire and Rescue Service
Cumbria Constabulary	Merseyside Police	

Additional Suppliers to Points of Interest (supplying <3% of total features between them)		
Cumbria Fire Service	Mid & West Wales Fire & Rescue Service	Staffordshire Police Headquarters
Derbyshire Constabulary	Moto	Strategic Planning Department
Derbyshire Fire & Rescue	National Association of Citizens Advice Bureaux	Suffolk Fire Service
Devon & Cornwall Constabulary	National Coastwatch Institution	Suffolk Police
Dorset Fire and Rescue Service	National Trust for Scotland	Surrey Fire & Rescue
Dorset Police	NHS Choices	Surrey Police
Driver and Vehicle Standards Agency	Norfolk Constabulary	Sussex Police
Durham and Darlington Fire and Rescue Authority	Norfolk Fire Service	Thames Valley Police
Durham Constabulary	North East Ambulance Service	The Cloud
Dyfed-Powys Police	North Wales Fire and Rescue Service	The Court Service
East of England Ambulance Service	North Wales Police	Transport for London
East Sussex Fire and Rescue Service	North West Ambulance Trust	Trust Headquarters
Essex County Fire and Rescue Service	North Yorkshire Fire and Rescue Service	Tyne & Wear Fire Brigade
Essex Police	North Yorkshire Police	Warwickshire Fire and Rescue Service
Experian	Northamptonshire Constabulary	Warwickshire Police
Gloucestershire Constabulary	Northamptonshire Fire and Rescue Service	Welcome Break Group Ltd
Gloucestershire Fire & Rescue	Northumberland Fire and Rescue Service	Welsh Ambulance Service
Greater Manchester Fire Service	Northumbria Police	Welsh Assembly Government
Greater Manchester Police	Nottinghamshire Fire and Rescue Service	West Mercia Constabulary
Gwent Police	Nottinghamshire Police	West Midlands Ambulance Service
Hampshire Constabulary	O2 limited	West Midlands Fire Service
Hampshire Fire & Rescue	Open Plaques	West Midlands Police
Hereford & Worcester Fire Brigade	Oxfordshire Fire Service	West Sussex Fire & Rescue Service
Hertfordshire Constabulary	Police Scotland	West Yorkshire Fire Service
Hertfordshire Fire & Rescue	RoadChef Motorways Ltd	West Yorkshire Police
Historic Houses Association	Royal Berkshire Fire & Rescue Service	Wiltshire Constabulary
Humberside Fire Brigade		Wiltshire Fire Brigade
		Yorkshire Ambulance Service

Annex D: Glossary

Glossary term	Definition
Accuracy	The closeness of the results of observations, computations or estimates to the true values or the values accepted as being true. Accuracy relates to the exactness of the result and is the exactness of the operation by which the result is obtained.
Administrative area	A blanket term used by Ordnance Survey to refer to all public administrative areas, specifically local government management and electoral areas.
American Standard Code for Information Interchange (ASCII)	A 7-bit code for encoding a standard character set.
Area	A spatial extent defined by circumscribing lines that form a closed perimeter that does not intersect itself.
Attribute	An attribute is a property of an entity, usually used to refer to a non-spatial qualification of a spatially referenced entity. For example, a name or descriptive code indicating what an entity represents or how it should be portrayed.
Attribute code	An alphanumeric identifier code used in digital map data to describe each feature in terms either of the object surveyed or its representation on the map (or both).
Coordinates	Pairs of numbers, such as an easting and a northing, expressing horizontal distances along original axes. Alternatively, triplets of numbers measuring horizontal and vertical distances.
Currency	An expression of the up-to-dateness of data.
Data format	A specification that defines the order in which data is stored or a description of the way data is held in a file or record.
Eastings	See rectangular coordinates.
Feature	An item of detail within a map that can be a point and/or symbol, text or line.
Field	A specified part of a record containing a unit of data, such as the date of digitising. The unit of data may be a data element or a data item. Every field has a name and a predefined interpretation.
Geographical information system (GIS)	A system for capturing, storing, checking, integrating, analysing and displaying data that is spatially referenced to the Earth. This is normally considered to involve a spatially referenced computer database and appropriate applications software.
Map scale	The ratio between the extent of a feature on the map and its extent on the ground, normally expressed as a representative fraction, such as 1:1,250 or 1:10 000.

Glossary term	Definition
Name	The proper name or label of an object (real world) or feature (object abstraction). The descriptive name might consist of one or more text strings or be an attribute of the object or object abstraction.
National Grid	A unique referencing system that can be applied to all Ordnance Survey maps of Great Britain (GB) at all scales. It is used by Ordnance Survey on all post-war mapping to provide an unambiguous spatial reference in Great Britain for any place or entity whatever the map scale. The National Grid is defined by the OSGB36 spheroid.
Northings	See rectangular coordinates.
Object (real world)	A recognisable discrete part of the real world.
Origin	The zero point in a system of rectangular coordinates.
Positional accuracy	The degree to which the coordinates define a point's true position in the world, directly related to the spheroid and/or projection on which the coordinate system is based.
Precision	The exactness with which a value is expressed, whether the value be right or wrong.
Rectangular coordinates	Also known as X-Y coordinates and as eastings and northings. These are two-dimensional coordinates that measure the position of any point relative to an arbitrary origin on a plane surface (for example, a map projection).
Resolution	A measure of the ability to detect quantities. High resolution implies a high degree of discrimination but has no implication as to accuracy. For example, in a collection of data in which the coordinates are rounded to the nearest metre, resolution is 1 metre, but the accuracy may be ± 5 metres or worse.
Spatial data	Data that includes a reference to a two- or three-dimensional position in space as one of its attributes. It is used as a synonym for geometric data.
Transfer medium	The physical medium on which digital data is transferred from one computer system to another. For example, Secure URL.