

Loqate Utilities Register 2.1

User Guide

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1 Introduction

This document provides a user guide for Loqate's Utilities Register 2.1. This version is compliant with the Market-wide Half-Hourly Settlement (MHHS¹) programme and has been updated to include MHHS-related data items that will start to become populated from October 2025 as more electricity meters are MHHS-enabled.

1.1 General

The Utilities Register (UR) is a web service providing access to a property's address and meter-point data needed to provide consumers with tariff estimates and for energy suppliers to execute a switch through the Central Switching Service or CSS.

The Utilities Register provides you with the ability to add address and MPxN searching into your websites and server-side applications. The service returns both gas and electricity supply point data from a single request. Making use of Gas and Electricity data provided by the Retail Energy Code Company (RECCo), the Utilities Register provides you with accurate data that's updated by the industry on a daily basis.

The Utilities Register can be used to retrieve meter point and other information for a specific address, an MPxN or UPRN. Where a complete address is not immediately available or the implementation benefits from interactive address input, the service can also be used for the purposes of postcode or partial address lookup, retrieving meter point information with a follow up request in this instance.

Additionally, GBG's service benefits from being able to verify and standardise unformatted or 'free-format' address strings into structured addresses, providing a far higher chance of a successful match when searching the gas and electricity supply point data. This can be useful where a user is not present to select or validate an address. For example, when an energy supplier receives uploads of hundreds or thousands of addresses from Price Comparison Websites and brokers.

Critically, the Utilities Register also returns the Retail Energy Location (REL) details, required to execute a switch within the CSS.

1.2 Assumptions

Although a glossary of terms is provided in the appendices, it is assumed that readers of this guide and users of the Utilities Register are familiar with the terms and expressions used within the energy switching sector. Additionally, the user should have an understanding of concepts behind Ofgem's Faster and More Reliable Switching Programme and the Programme's address matching fundamentals including the Retail Energy Location (REL) and the UPRN. For more information, please refer to the documentation links listed in [Appendix F: Useful Reading](#) below.

1.3 MHHS Changes

1.3.1 Pre-MHHS Go-Live

The Utilities Register has been updated to support the requirements of the Market-wide Half-Hourly Settlement (MHHS) Programme. To allow EES users to test the new MHHS fields, RECCo has provided a

¹ MHHS provides a faster, more accurate settlement process for all market participants, introducing site specific reconciliation using half-hourly meter readings.

sandbox version of EES with a limited data set. The production version of the MHHS-enabled EES with up to date, "live" data is planned for release at the end of September 2025. Until then, Loqate's Utilities Register v2.1 utilises a sandbox version of EES providing and provides access to the new fields and test data for around a dozen MPANs.

From October 2025, Utilities Register version 2.1 will cease to include the test MPAN data and this will be replaced with the same live *legacy* data that underpins version 2.0 but will also include MHHS data fields where these are populated.

1.3.2 Post-MHHS Go-Live

Whilst the overall impact on the Utilities Register will be minimised where possible, any integration with the EES API following the implementation of the MHHS changes will require supporting updates to the consuming system. This is primarily as a result of the staggered migration approach designed by the Programme.

For an initial period post-MHHS go-live, the Utilities Register will cater for handling MPAN and/or meter data that could remain under legacy arrangement, or under the new MHHS arrangements. In addition, it will cater for situations where an MPAN has been under MHHS arrangements but returned (temporarily) to legacy arrangements. The UR will return a new key against each MPAN that will confirm whether the MPAN is:

- Still under Legacy Arrangements
- Under MHHS Arrangements
- Back under Legacy Arrangements having reverse migrated. The MHHS changes will at first, include the removal of a small number of existing fields and the addition of a several MHHS-specific fields. All other legacy fields will remain during the first phase of the MHHS migration.

Once MHHS has fully rolled out, many other existing fields will be removed from the Utilities Register service in line with their removal from the DIP² and removal from EES.

This User Guide identifies for each MPAN-related field and meter-related attribute, whether the field is populated (if data is available). The table below describes the implications:

Data Items	Legacy Arrangements	MHHS Arrangements	Legacy Following Reverse Migration
MHHS Indicator	Always populated	Always populated	Always populated
Existing data items	Always populated	Available unless data items are no longer available from DIP (empty)	Always populated
New MHHS data items	Not populated (empty)	Always populated	Not populated (empty)
Annual consumption data (as a subset of MHHS data)	Not populated (empty)	Always populated	Always populated but not updated (only correct as of reverse migration date)

² The DIP (Data Interface Protocol) is a system that facilitates the exchange of data between different entities involved in the energy market. It introduces new data flows and processes for managing related metering point relationships, agent appointments, and address maintenance under the Market-wide Half Hourly Settlement (MHHS) transition

1.4 Regulatory Considerations

1.4.1 Personally Identifiable Information

The Information Commissioners Office has stipulated that a consumer's electricity and gas meter-point data including MPAN and MPRN, are Personally Identifiable Information (PII). Please consult with your organisation's privacy and compliance teams in order that you are aware of your obligations when designing your consumer journey and processing this data.

1.4.2 Meter Point Data

The data items returned to you from the Utilities Register is dependent upon your organisation's market participant category (TPI, PCW or supplier) and is controlled by one or more *profiles* associated with your Loqate account based upon the Gas and Electricity Data Access Matrices³. Depending upon your organisation's role, some of the fields described below, may not be populated in the response from the Utilities Register. Guidance on the visibility of industry data items by different Market Participants can be found in the Data Access Matrices available on the REC Portal.

1.4.3 The Retail Energy Location

In addition to providing the *Meter Point Location (MPL)* addresses registered by the electricity Distribution Network Operators (DNOs) and Gas Transporters (GTs), the Utilities Register provides the *Retail Energy Location (REL)* address for each property. This is the version of the address associated with the property following the cleansing of the gas and electricity MPL addresses by the Switching Programme's Address Service Provider, which used the Ordnance Survey's AddressBase Premium (ABP) database as it's standardised address reference. The REL is required for switching through the CSS.

The address data within the REL is the Intellectual Property Rights of Ordnance Survey and OS has licenced its use to market participants for the purpose of switching. The REL may only be used transitionally and can be passed from party to party (for example from PCW to supplier) but cannot be stored by any party without an OS AddressBase Premium licence. Additionally, the REL cannot be displayed on a public-facing website without the express permission of OS. Please consult the REC for guidance on the use of the REL within your switching journey design.

1.4.4 Consumer Consent

It is acknowledged and agreed that as data is linked to the MPxNs of a property pursuant to the provision of the Enquiry Service, the Enquiry Service Data is likely to constitute personally identifiable data according to applicable Data Privacy Laws even where the name of the individuals or individual is not known. You are required to identify a lawful basis before using the Dataset and the Enquiry Service Data, to obtain personally identifiable data.

Without limiting any other basis for processing which may be available, you agree that in any case where information to be disclosed by it pursuant to this Dataset and the Enquiry Service Data, may lawfully be disclosed only with the prior consent of the person to whom the information relates, it will obtain such prior valid consent so as to enable it to lawfully disclose the information.

³ The Data Access Matrices can be found on the EMAR Project Dashboard via the [REC Portal](#)

2 Utilities Register V2.1 Web Service Details

2.1 Basic Details

Service Type: REST

Document Type: JSON

Method Type: POST

URL: <https://api.addressy.com/Utilities/Interactive/UR/V2.10/json4.ws>

2.2 Client and Server-Side use of Utilities Register

Although the Utilities Register service employs HTTPS encryption, it can only be safely used within a server-side application because of the potential risk of exposure of credentials within a web browser or other client-side app. Client-side implementation of the service connecting to GBG's UR service is prohibited under the Terms of our agreement with you.

2.3 Gaining Access to Loqate Utilities Register

2.3.1 Your Loqate Account

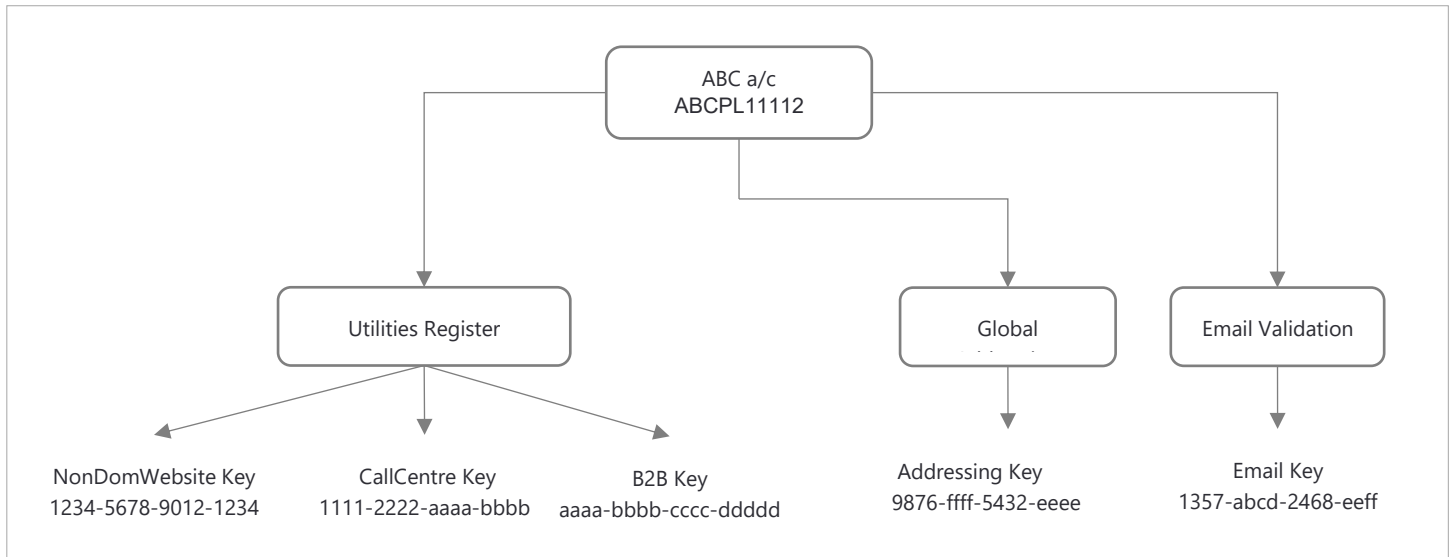
In order to connect to the Utilities Register, your organisation requires a Loqate key or keys which are set up following approval of an evaluation or contractual access agreement arranged by a Loqate Account Manager.

Your account will be issued with Utilities Register key(s) alongside any other Loqate services to which your organisation may have subscribed, such as the Capture+ Global Addressing API or email, mobile and bank validation services.

You will need to create an account or use your existing account to access your keys or configure your services. You can do so here: <https://account.loqate.com/login>

2.3.2 API Access

Access to the Utilities Register API is provided by a customer key that can be set up either by the Loqate support team or by your organisation's appointed account administrator. Your organisation may have several Loqate accounts, and each can subscribe to several Loqate products or services. Your system administrator or Loqate's Support Team can then set up one or more keys for each of your subscribed products. Having multiple keys for a single product can be useful for different use-cases such as evaluation, development, or production and enables you to audit the usage of the service at team level or by use-case within your organisation. This as depicted in the following graphic:



3 Request Structure

The skeleton JSON body example below shows the fields that can be passed within the Utilities Register request body.

```

{
  "Key": "AA11-BB22-CC33-DD44",
  "CustomerId": "MyReference",
  "Options": {
    "Verify": false,
    "Gas": true,
    "Electricity": true
  },
  "Address": {
    "Organisation": "",
    "SubBuilding": "",
    "Premise": "",
    "Building": "",
    "DependentThoroughfare": "",
    "Thoroughfare": "",
    "DoubleDependentLocality": "",
    "DependentLocality": "",
    "Locality": "",
    "SuperAdministrativeArea": "",
    "AdministrativeArea": "",
    "SubAdministrativeArea": "",
    "PostBox": "",
    "PostalCode": "",
    "Address": "",
    "Address1": "",
    "Address2": "",
    "Address3": "",
    "Address4": "",
    "Address5": "",
    "Address6": "",
    "Address7": "",
    "Address8": ""
  },
  "ReferenceKey": {
    "GbgId": "",
    "Mpan": "",
    "Mprn": "",
    "Uprn": "",
    "MeterSerialNumber": ""
  }
}

```

Diagram illustrating the JSON structure and its corresponding search options:

- Customer Key**: Points to the `"Key"` field.
- Customer's own reference**: Points to the `"CustomerId"` field.
- Verification Option**: Points to the `"Verify"` field within the `"Options"` object.
- Fuel types to search**: Points to the `"Gas"` and `"Electricity"` fields within the `"Options"` object.
- Address element search**: Points to the `"Organisation"`, `"SubBuilding"`, `"Premise"`, `"Building"`, `"DependentThoroughfare"`, `"Thoroughfare"`, `"DoubleDependentLocality"`, `"DependentLocality"`, `"Locality"`, `"SuperAdministrativeArea"`, `"AdministrativeArea"`, `"SubAdministrativeArea"`, `"PostBox"`, and `"PostalCode"` fields within the `"Address"` object.
- Free-format address search**: Points to the `"Address"`, `"Address1"`, `"Address2"`, `"Address3"`, `"Address4"`, `"Address5"`, `"Address6"`, `"Address7"`, and `"Address8"` fields within the `"Address"` object.
- Reference-key search**: Points to the `"GbgId"`, `"Mpan"`, `"Mprn"`, `"Uprn"`, and `"MeterSerialNumber"` fields within the `"ReferenceKey"` object.

3.1 Search Types

There are 3 main ways to search the Utilities Register

- Address element search
- Free-format address search
- Reference-key search

Each of these can be used for different use-cases or in different parts of the user-journey and is discussed in detail below.

3.2 Specifying Fuel Type

When making any request you should always declare which fuel type(s) you wish to search for. This is necessary because gas and electricity searches are undertaken independently and the results from these separate searches are then merged into a single data structure for each property.

The fuel types are declared in the Options section of the request. Set the Gas and/or Electricity option to true for the fuels you wish to search for each particular query. This should be done for every address search and also for every Reference Key search.

The following example will perform a dual fuel search and return results from GES and EES.

```
"Options": {  
  "Gas": true,  
  "Electricity": true  
},
```

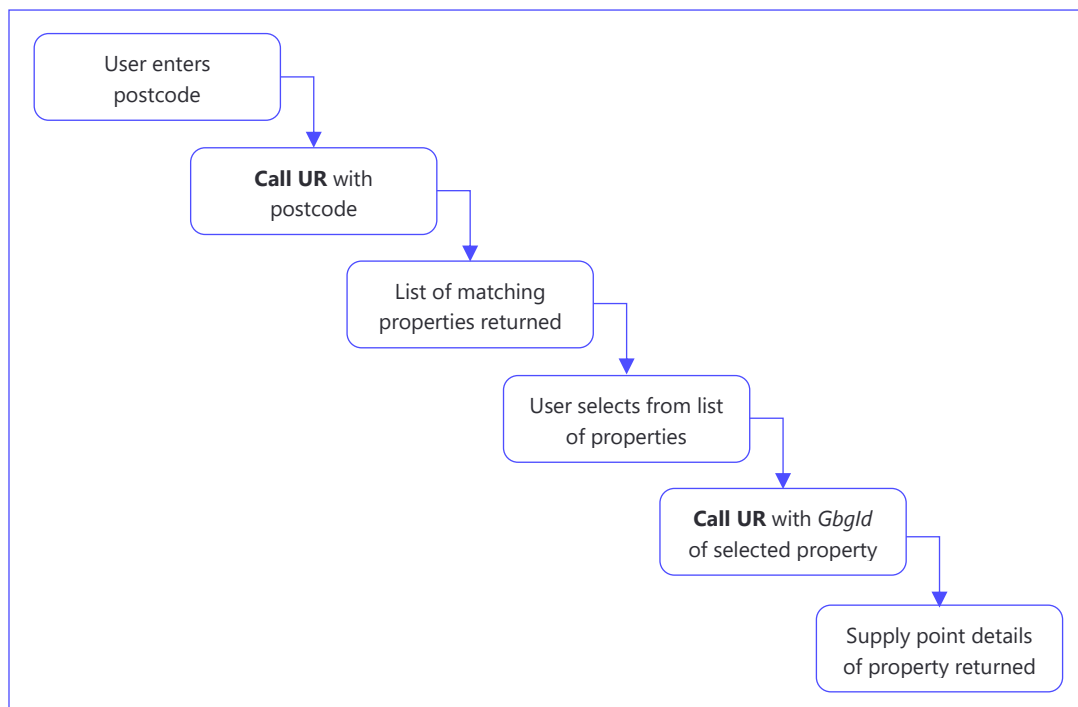
3.3 Search by Address Elements – Typical User Journey

For most use-cases in which an end-user is able to undertake a search interactively such as in the case of an online price-comparison journey, the easiest way to implement the Utilities Register is to undertake an address search. This approach typically requires two calls to the Utilities Register, the first for a consumer to search for, select and validate their address details and the second to retrieve the meter point details for the selected property.

3.3.1 Postcode Searching

The most popular and easiest method is a search by postcode, from which the Utilities Register will return a list of matching properties. These can be displayed as a 'drop-down list' or 'selection box' and the user is prompted to select a particular property. Each property in the list is tagged with a unique [Gbgld Search](#). The Gbgld of the selected address is used in a second call to the Utilities Register to return the gas and/or electricity meter point details of the property.

The general flow of this user-journey is shown below, highlighting the calls to the Utilities Register (UR).



An example postcode request is shown below which will return the addresses of all properties in the postcode CH4 9GB, from both the gas and electricity enquiry services.

```
{
  "Key": "AA11-BB22-CC33-DD44",
  "CustomerId": "MyReference",
  "Options": {
    "Verify": false,
    "Gas": true,
    "Electricity": true
  },
  "Address": {
    "PostalCode": "CH4 9GB"
  }
}
```

3.3.2 Single Property Postcodes

When the Utilities Register is searched with a postcode, it will generally return a list of the properties within the postcode. The only exception to this is if there is only one property in the postcode in which case, the search will return not only the matching address details but also the full gas and electricity meter point details of that property. In such cases, a second call to retrieve the meter details is not required.

3.3.3 Searching with Other Address Elements

Unless the Verify option is selected (see [Free-Format Address Search](#) below) *the postcode is a required field for address searching*⁴. However, the Utilities Register allows you to refine a postcode search by specifying additional address fields in your request, the most common of which is a building element, such as a building name or number, a flat or apartment or organisation details. This can help to considerably narrow down the search, often resulting in a single property match. The following request adds an organisation name to the postcode search in the example above.

```
{
  "Key": "AA11-BB22-CC33-DD44",
  "CustomerId": "MyReference",
  "Options": {
    "Verify": false,
    "Gas": true,
    "Electricity": true
  },
  "Address": {
    "Organisation": "GB Group"
    "PostalCode": "CH4 9GB"
  }
}
```

The advantage of refining the search by adding building or organisation information is that it can often result in a single property match and no user-confirmation is then required. In this case, the Utilities Register will automatically return the gas and/or electricity meter details in the response from the address search removing the need for a second call.

However, refining a search should be undertaken with caution. Whilst asking a user to include building details as part of search can often speed up a user journey, it can occasionally lead to ambiguous or unmatched results. If a building number/name specified by an end-user may flats or apartments, these would be returned in the response from the address search rather than the meter-point details of the main property which the user may have been expecting.

For example, if the user specified postcode of AL88 6AA and a building number 23, the response may include:

23, Acacia Drive, Chester, AL88 6AA

and

[Flat Above](#), 23 Acacia Drive, Chester, AL88 6AA

You should therefore still be prepared to direct your user to a selection drop-down even if building details are included in the request.

3.3.4 Erroneous User Entry

When undertaking a postcode-only search, a user will usually realise they have mistyped their entered postcode as they may see unexpected results for the [incorrect] postcode. However, if the user has mistyped the details in a postcode and building combination, and the combination is valid but for a different address to the intended one, then the Utilities Register will return the full meter point details for that incorrect property.

There is a chance that this sort of error may 'slip through' unnoticed so *you should therefore always confirm the matched address at some point within your user journey to avoid the risk of an erroneous switch.*

⁴ If the user does not know their postcode, then you will need to use the Verify option which will pre-validate and correct the user's address adding a postcode if necessary, before calling the GES and EES services. See [Free-Format Address Search](#) below.

3.3.5 Handling Multiple Property Matches

In most cases from a postcode search, multiple properties are returned, and each will be identified by a unique *Gbgld* key. You should display the list of property addresses to the end-user, and prompt them to select a single address. In most cases, multiple variants of the same address will be returned from the Utilities Register for each property, including separate gas and electricity Meter Point Location (MPL) addresses and the separate gas and electricity Retail Energy Location (REL) variants.

Within the Utilities Register, all of the address variants for a same property are represented by the same *Gbgld*.

You can choose which address variant(s) to display to the end-user for each property but *note that your organisation should have an appropriate OS AddressBase Premium licence agreement in place, should you wish to display the REL variant*.

If the REL address variant for a *Gbgld* is blank, then you should use the MPL version of that property.

Once the user has selected an address from the list, you should make a second call to the Utilities Register using the *Gbgld* of the selected property. See the description of searching with *Gbgld* in the section on [Searching by Reference Key](#) below.

3.4 Free-Format Address Search

For interactive user-journeys, a postcode request followed by the retrieval of MPxN details from the *Gbgld*, is usually the most appropriate search technique.

However, the Utilities Register can be used successfully to search and return meter-point details in scenarios where a consumer is not present to select or validate an address, for example, when an energy supplier receives files or spreadsheets of addresses from Price Comparison Websites and brokers. In these use-cases, addresses are often received as unstructured or 'free-format' strings of text. The quality of such addresses may be poor with erroneous or missing details. The free-format address search technique is therefore best used with the [Address Verification](#) option which will enhance the address before undertaking a search of the gas and electricity repositories.

3.4.1 Address Verification

To maximise the chances of a successful search of the gas and electricity enquiry services, the Utilities Register can be called upon to pre-verify and standardise unformatted lines of text into structured addresses prior to searching the supply point addresses, providing a far higher chance of a successful match.

In order to use this function, you should specify `"Verify":true` option in the request. This will instruct the Utilities Register to first pass the free-format address input to Loqate's *Verify* service to match, cleanse and enhance the address using Loqate's *Geo+⁵* data as its underlying address reference.

For example, the following request undertakes a search using a comma-delimited, single line address. `"Verify":true` is specified in order to parse the address into separate elements prior to searching the gas and electricity supply point addresses.

```
{
  "Key": "AA11-BB22-CC33-DD44",
  "CustomerId": "MyReference",
```

⁵ Loqate Geo+ is a data set combining Royal Mail's PAF, Not-Yet-Built, Multiple-Residence and Alias data that includes UPRNs and premise-level geo-coordinates.

```

    "Options": {
      "Verify": true,
      "Gas": true,
      "Electricity": true
    },
    "Address": {
      "Address": "GB Group, Herons Way, Chester CH4 9GB"
    }
  }
}

```

If the address is received as separate lines, you can pass these as individual numbered address lines:

```

{
  "Key": "AA11-BB22-CC33-DD44",
  "CustomerId": "MyReference",
  "Options": {
    "Verify": true,
    "Gas": true,
    "Electricity": true
  },
  "Address": {
    "Address1": "GB Group, Herons Way"
    "Address2": "Chester, Cheshire"
    "Address3": "CH4 9GB"
  }
}

```

The following request will instruct the service to call Loqate Verify passing it the erroneous address string "GB Group, HERNs Way, CHESTR". Verify will correct the address and append the appropriate postcode.

```

{
  "Key": "AA11-BB22-CC33-DD44",
  "CustomerId": "MyReference",
  "Options": {
    "Verify": false,
    "Gas": true,
    "Electricity": true
  },
  "Address": {
    "Address": "GB Group, HERNs Way, CHESTR"
    "PostalCode": "CH4 9GB"
  }
}

```

When "Verify":true is specified in the request, the response will contain a verified address as a further address structure. This is the address returned from the verification process and that's used by the Utilities Register to search the supply point data.

For the above example, the following verified address will be returned:


```

"VerifiedAddress": {
  "Avc": "V43-I55-P6-100",
  "Aqi": "A",
  "Organisation": "GB Group",
  "SubBuilding": "",
  "Premise": "",
  "Building": "The Foundation",
  "PostBox": "",
  "DependentThoroughfare": "",
  "Thoroughfare": "Herons Way",
  "DoubleDependentLocality": "",
  "DependentLocality": "Chester Business Park",
  "Locality": "Chester",
  "SubAdministrativeArea": "",
  "AdministrativeArea": "Chester",
  "SuperAdministrativeArea": "",
  "PostalCode": "CH4 9GB",
  "Country": "GB",
  "CountryName": "United Kingdom",
  "Latitude": "53.161245",
  "Longitude": "-2.906425",
  "GeoAccuracy": "P4",
  "Address": "GB Group, The Foundation, Chester Business Park, Chester, CH4 9GB",
  "Address1": "GB Group",
  "Address2": "The Foundation",
  "Address3": "Herons Way",
  "Address4": "Chester Business Park",
  "Address5": "Chester",
  "Address6": "CH4 9GB",
  "Address7": "",
  "Address8": ""
},
"TotalMatches": "1",
"Matches": [
{
  "GbgId": ""
  "Rel": {
    "Uprn": "10012220430",
    "RelAddresses": [
      {
        // REL details excluded for brevity
      }
    ]
  }
}
]

```

The structure includes additional fields over and above the address, including:

AVC: Address Verification Code Provides a measure of how well the input address matched to an address on the underlying reference used by the Verify service. You can use this to determine how well the address was parsed into separate field components and what level of verification was possible (such as street, premise or sub-premise. Full details of the AVC are provided in [0](#)

below.

AQI: Address Quality Index Used to indicate the quality of an address, e.g., Excellent, Good, Average, Poor, and Bad quality. Any record that is able to be parsed will have an AQI. Full details of the AQI are provided in [Appendix C:Address Quality Index](#) below.

3.5 Searching by Reference Key

The last way to make a search is using one of four reference keys, Gbgld, MPAN, MPRN, UPRN and Meter Serial Number. The example requests for each of these are shown below.

3.5.1 Gbgld Search

Whenever a list of buildings is returned from a structured address search, each property will be identified by a unique key called the *Gbgld*⁶. The *Gbgld* of the selected property can then be used on a second call to the Utilities Register and following this, the gas and electricity supply points for the property will be returned.

Gbgld is a key created dynamically at the time of an address search and unique for each identified property in the list of addresses returned in a response. However, it is dependent upon both the search request and the results received from the GES and/or EES and as such it is not a persistent key and cannot be guaranteed to always return the same address in the future.

For example, if you undertook a postcode search and specified this to be an electricity-only request, then the *Gbglds* returned for each property in the postcode would be different to those returned if you undertook a gas-only or dual-fuel search. The *Gbgld* provides the Utilities Register with enough information to subsequently retrieve meter point details from the EES and/or GES for a selected property.

The *Gbgld* relates to a single UPRN property but may represent several MPANs and/or MPRNs. This could occur if:

- The property has multiple MPxNs and the address details are identical for each MPxN. For example, a workshop in the garden or a swimming pool may have separate MPANs to the residential house.
- The property contains related MPANs⁷ (one primary and one or more secondary MPANs).
- The property contains associated or linked MPANs⁸ (an import and multiple export for example).
- The UPRN of a shell property has been assigned to multiple flats, apartments, or tenements. For example, the following two tenements share the same UPRN but have separate MPRNs:

1L, 1F1, 2, Lancaster Gardens

1R, 1F1, 2, Lancaster Gardens

If multiple MPxNs are returned from a *Gbgld* search, you will need to confirm with your end-user which MPxN(s) should be used for the switch or in the case of Primary/Secondary MPAN relationships, Principal/Subsidiary or import/export to ensure that all related or the correct associated MPANs are passed to the energy supplier and to CSS.

When searching by *Gbgld*, be sure to specify **"Gas":true** and/or **"Electricity":true** in the **Options** section of the request to ensure the gas and/or electricity meter point details are returned.

⁶ Note that the *Gbgld* is not a persistent address key but is dynamically created and dependent upon a user's search criteria

⁷ The Utilities Register response contains information that allows you to identify Primary and Secondary Related MPANs

⁸ The Utilities Register response contains information that allows you to identify Principal and Subsidiary Associated MPANs

```
{
  "Key": "AA11-BB22-CC33-DD44",
  "CustomerId": "MyReference",
  "Options": {
    "Verify": false,
    "Gas": true,
    "Electricity": true
  },
  "ReferenceKey": {
    "GbgId": "U10012220430A0000286730G1M1300035407556N1PCH49GB"
  }
}
```

3.5.2 MPAN Search

If you or your consumer knows their MPAN then you can search using this directly by placing the MPAN in the `Mpan` field in the `ReferenceKey` section of the request. Note that when searching by MPAN, you must set the `"Electricity": true` flag.

```
{
  "Key": "AA11-BB22-CC33-DD44",
  "CustomerId": "MyReference",
  "Options": {
    "Verify": false,
    "Gas": false,
    "Electricity": true
  },
  "ReferenceKey": {
    "MPAN": "1234567890123"
  }
}
```

3.5.3 MPRN Search

As with the MPAN search, if you or your consumer knows their MPRN then you can search using this directly by placing the MPRN in the `Mprn` field in the `ReferenceKey` section of the request. Note that when searching by MPRN, you must set the `"Gas": true` flag.

```
{
  "Key": "AA11-BB22-CC33-DD44",
  "CustomerId": "MyReference",
  "Options": {
    "Verify": false,
    "Gas": true,
    "Electricity": false
  },
  "ReferenceKey": {
    "MPRN": "13572468"
  }
}
```

3.5.4 Meter Serial Number Search⁹

A search may be undertaken directly using a gas or electricity meter serial number by placing the meter serial number in the `MeterSerialNumber` field in the `ReferenceKey` section of the request. Note that when searching by gas or electricity meter serial number, you must set the appropriate `"Gas"` or `"Electricity"` flag to `true` in the `Options` section of the request.

⁹ Meter serial number searching is expected to be available late 2025

```
{
  "Key": "AA11-BB22-CC33-DD44",
  "CustomerId": "MyReference",
  "Options": {
    "Verify": false,
    "Gas": false,
    "Electricity": true
  },
  "ReferenceKey": {
    "MeterSerialNumber": "99M9999999"
  }
}
```

3.5.5 UPRN Search

The Utilities Register also allows a search directly UPRN. Place the UPRN in the `Uprn` field in the `ReferenceKey` section of the request. Unlike MPAN, MPRN and Meter Serial Number searching, a UPRN can be used for single or dual fuel searching and you can set either the appropriate `"Gas"` or `"Electricity"` flag or indeed both, to `true` in the `Options` section of the request.

```
{
  "Key": "AA11-BB22-CC33-DD44",
  "CustomerId": "MyReference",
  "Options": {
    "Verify": false,
    "Gas": true,
    "Electricity": true
  },
  "ReferenceKey": {
    "Uprn": "1234567890"
  }
}
```

3.5.6 Dual-Fuel Searching by MPxN

To return the gas and electricity details for a property in a single call, specify both the MPAN and MPRN for the property and set `"Electricity": true` and `"Gas": true`.

If the MPAN and MPRN are for different properties, then the electricity details for the property matching the MPAN and the gas details for the property matching the MPRN will both be returned.

If you are including MPxN searching in your user interface, you should add exception handling for this scenario occurring, such as confirming with the end-user which property they are intending to switch, to avoid an inadvertent erroneous switch.

3.5.7 Search Priority Conflicts

Should a single request contain GbgId, MPAN, MPRN and Address information, the service will use these in the following order:

1. If GbgId is provided, the MPAN, MPRN and all address information in the request will be disregarded
2. If GbgId is NOT provided and MPAN is provided, EES will be searched using MPAN
3. If GbgId is NOT provided and MPRN is provided, GES will be searched using MPRN
4. If GbgId is NOT provided and MPAN and MPRN are both provided, both EES and GES services will be searched

4 Response Structure

The general structure of the Utilities Register response is shown below. Details of each section of the response are described in detail below.

```
{
  "CustomerId": "MyReference",
  "VerifiedAddress": { ... },
  "ElectricityEnquiryStatus": {
    "Success": true,
    "Message": ""
  },
  "GasEnquiryStatus": {
    "Success": true,
    "Message": ""
  },
  "TotalMatches": "25",
  "Matches": [
    {
      "GbgId": "U1234567A02468G1M11234567890123N1PCH49GB",
      "Rel": {
        "RelAddresses": [
          { ... }
        ]
      },
      "ElectricityInformation": {
        "MplAddress": { ... },
        "MpanCount": "1",
        "Mpans": [
          { ... }
        ]
      },
      "GasInformation": {
        "MplAddress": { ... },
        "MprnCount": "1",
        "Mprns": [
          { ... }
        ]
      }
    },
    { ... }
  ]
}
```

Customer's own reference

Verified address

Status of EES search

Status of GES search

Count of matched properties

GbgId of matched property/properties

REL details of first matched property

Electricity MPL property address

Array of MPAN details for property

Gas MPL property address

Array of MPRN details for property

Details of other matching properties

4.1 CustomerId

The "CustomerId" field returns the same reference as the "CustomerId" field in the request. This is simply to confirm the association of a particular request/response pair which may be useful when testing.

4.2 VerifiedAddress

If you have specified "Verify": true in your request, then the Loqate Verify service will be first called and the results of this are passed as the search request to the EES and GES. The verified address is returned in the response together with details of how well it was matched to the Loqate UK address reference.

Note that only one verified address is returned from the verification process. The process is an address verification, not an address expansion so if the input is ambiguous and cannot be matched to a single address in the reference data, then the verified address will contain only the details to the level that can be verified. For example, if the input is a building number that contains multiple flats and no flat details are specified in the request, then the building itself will be verified but the list of flats will not.

Details of the verified address structure are provided in the example below.

```

"VerifiedAddress": {
  "Avc": "V43-I55-P6-100",
  "Aqi": "A",
  "Organisation": "GB Group",
  "SubBuilding": "",
  "Premise": "",
  "Building": "The Foundation",
  "PostBox": "",
  "DependentThoroughfare": "",
  "Thoroughfare": "Heron's Way",
  "DoubleDependentLocality": "",
  "DependentLocality": "Chester Business Park",
  "Locality": "Chester",
  "SubAdministrativeArea": "",
  "AdministrativeArea": "Chester",
  "SuperAdministrativeArea": "",
  "PostalCode": "CH4 9GB",
  "Country": "GB",
  "CountryName": "United Kingdom",
  "Latitude": "53.161245",
  "Longitude": "-2.906425",
  "GeoAccuracy": "P4",
  "Address": "GB Group, The Foundation, Chester Business Park, Chester, CH4 9GB",
  "Address1": "GB Group",
  "Address2": "The Foundation",
  "Address3": "Heron's Way",
  "Address4": "Chester Business Park",
  "Address5": "Chester",
  "Address6": "CH4 9GB",
  "Address7": "",
  "Address8": ""
},

```

Annotations for the JSON structure:

- Address Verification Code**: Points to the `"Avc"` field.
- Address Quality Index**: Points to the `"Aqi"` field.
- Address elements**: A bracket groups the fields from `"Organisation"` to `"CountryName"`.
- Geo-coordinates**: Points to the `"Latitude"` and `"Longitude"` fields.
- Geo-accuracy indicator**: Points to the `"GeoAccuracy"` field.
- Single formatted address line**: Points to the `"Address"` field.
- Formatted address lines**: A bracket groups the fields from `"Address1"` to `"Address8"`.

4.2.1 Address Verification Code

The AVC is an accuracy code and provides an indication of how well the input address has been matched to an address in the underlying Loqate UK address reference. Full details of the AVC are provided in [Q](#) below.

4.2.2 Address Quality Index

The Address Quality Index (AQI) is used to indicate the quality of an address, e.g., Excellent quality, Good quality, Average quality, Poor quality, and Bad quality. Any record that is able to be parsed will have an AQI. Full details of the AQI are provided in [Appendix C:Address Quality Index](#) below.

4.2.3 Address Elements

The Verify process will attempt to parse the free-format address lines and identify individual address elements that the Utilities Register will use to search the EES and GES.

4.2.4 Geo-Coordinates

As part of the Verification process, the Utilities Register will attempt to identify the latitude and longitude of the address. Over 90% of the addresses in Loqate's UK reference data have been appended with premise-level coordinates to a 1m tolerance.

4.2.5 Geo-Accuracy Indicator

The GeoAccuracy code comprises 2 characters (e.g. I4, A2, P4) that take the following values:

- The Geocoding Status
- The Geocoding Level

Geocoding Status	
P – Point	A single geocode was found matching the input address
I – Interpolated	A geocode was able to be interpolated from the input addresses location in a range
A – Average	Multiple, candidate geocodes were found to match the input address and an average of these was returned
U: Uncoded	A geocode was not able to be generated for the input address
Geocoding Level	
4	Premise or Building
3	Thoroughfare
2	Locality
1	AdministrativeArea
0	None

4.2.6 Formatted Address Lines

The verified address is also returned as a single, formatted address line comprising comma-delimited address fields together with a set of formatted address lines in separate JSON fields (Address1 to Address8).

4.3 TotalMatches

The **TotalMatches** field is a count of the number of matching properties that are returned in the response. The REL and meter point details for each property will follow.

4.4 Retail Energy Location REL

The Retail Energy Location (REL) details are contained in a separate section of the response for each matched property. The REL structure contains several sub-fields detailed below:

```

"Uprn": "1234567890",
"Rel": {
  "RelAddresses": [
    {
      "AddressSource": "Match",
      "FullAddress": "Flat 1,Princes House,Albany Mews,Albany
                    Road,Churton,Farndon,Chester, CH4 9GB",
      "SecondaryName": "FLAT 1",
      "PrimaryName": "Princes House",
      "Street1": "Albany Road",
      "Street2": "Albany Mews",
      "Locality1": "Farndon",
      "Locality2": "Churton",
      "Town": "Chester",
      "Postcode": "CH4 9GB",
      "LogicalStatus": "3",
      "Language": "ENG",
      "Organisation": "GB Group",
      "AddressType": "LPI",
      "ConfidenceScore": "99",
      "Classification": "CSV",
      "Latitude": "53.161245",
      "Longitude": "-2.906425"
    },
    { ... }
  ]
}

```

Annotations for the JSON structure:

- UPRN**: Points to the `"Uprn"` field.
- Address Derivation**: Points to the `"AddressSource"` field.
- Address elements**: A bracket groups the following fields: `"FullAddress"`, `"SecondaryName"`, `"PrimaryName"`, `"Street1"`, `"Street2"`, `"Locality1"`, `"Locality2"`, `"Town"`, and `"Postcode"`.
- Logical Status**: Points to the `"LogicalStatus"` field.
- Address language**: Points to the `"Language"` field.
- Organisation**: Points to the `"Organisation"` field.
- Address Type**: Points to the `"AddressType"` field.
- Match confidence**: Points to the `"ConfidenceScore"` field.
- Classification Code**: Points to the `"Classification"` field.
- Geo-coordinates**: Points to the `"Latitude"` and `"Longitude"` fields.
- Further REL address variants if available**: Points to the `"RelAddresses"` array.

4.4.1 Uprn

A UPRN also called the REL-Id will always be returned in the API response. For GES and EES MPL addresses that have been matched to Ordnance Survey's AddressBase Premium dataset by the Switching Programme's Address Service Provider, this will be an OS UPRN.

For unmatched addresses, the Address Service Provider has appended a pseudo-UPRN. See details on [AddressSource](#) below.

4.4.2 RelAddresses

The `RelAddresses` section provides a list of one *or more* address structures for each matched property. These are the OS AddressBase Premium addresses to which the Address Service Provider (Landmark) has matched the MPL address for the gas and electricity MPL records.

4.4.3 Which REL Address to Use?

In general, at least 2 REL address variants are returned for each matched property, one or more LPI¹⁰ variants and zero or one DPA¹¹ address.

The LPI variants are the main addresses recognised by OS and those held by the local authority in which a property resides and those against which a property's UPRN are associated.

The DPA is the version held on Royal Mail's Postcode Address File (PAF) to which Ordnance Survey itself has matched the LPI address and is regarded as the accepted *postal* address of the property. The DPA version may not be present if OS had not matched any of its LPI variants to Royal Mail's PAF.

OS may hold several LPI address variants for each property (i.e. for each UPRN) in AddressBase Premium, which are categorised as:

- Approved (one version)
- Provisional (one version)
- Alternative (potentially several versions)
- Historic (potentially several versions)

The Address Service Provider has matched the gas and electricity MPL addresses to any of the OS AddressBase Premium variants to append the UPRN to the REL. It has then retrieved all other variants matching this UPRN and added these to the array of addresses within the REL structure.

Each REL address in the array is tagged with a Logical Status flag, corresponding to the category of the address variant. These are:

Address Category	Logical Status
DPA	0
Approved	1
Alternative	3
Provisional	6
Historic	8

Whilst there is no stipulation on which version should be used for switching, the Approved version should always be returned from the Utilities Register and is the suggested version should you choose to display or store one REL address variant for a property.

See [Appendix D:AddressBase Premium](#) for further details.

4.4.4 Matched Addresses

If your search has matched one or more dual-fuel properties, in general each property in the response *Matches* array will contain a single REL address *structure* comprising one UPRN for the property plus a set of one or more REL addresses. This will be the case even if the gas and electricity MPLs differ slightly because the Address Service Provider will have matched both MPL addresses to the same REL address.

¹⁰ LPI = Land and Property Identifier

¹¹ DPA = Delivery Point Address

The following example illustrates this:

Gas MPL address:	Lime Cottage, My Street, My Town, AA1 1AA
OS ABP match:	Lime Cottage, 17 My Street, My Town, AA1 1AA
Logical Status:	3 (Alternative)
Matched UPRN	12343567890
Electricity MPL address:	17, My Street, My Town, AA1 1AA
OS ABP match:	17, My Street, My Town, AA1 1AA
Logical Status:	1 (Approved)
Matched UPRN	1234567890

Because both gas and electricity MPL addresses have been matched to the same property, albeit to different ABP variants of the address, they both share the same UPRN. As such, following a postcode search of AA1 1AA, the Utilities Register will merge the EES and GES addresses for this property into a single structure, returning both MPL addresses and both variants of the REL address.

The matching of dissimilar MPL addresses to the different ABP address variants for the same property and UPRN, allows the Utilities Register to merge the two meter-points together so identifying a dual-fuel property represented by a single Gbgld in the response.

For addresses where the MPL has been successfully matched to ABP, the **AddressSource** field in the REL structure will have the value "Match".

4.4.5 Unmatched Addresses

If the MPL has not been matched to OS AddressBase Premium, then the MPL address for the property will have been copied to the REL address structure by the Address Service Provider. The UPRN associated with the REL will be 'pseudo' UPRN, assigned by the Address Service Provider.

Note that unlike 'real' UPRNs associated with matched records, pseudo-UPRNs cannot be used to look up an address from an OS AddressBase product.

For addresses where the MPL has not matched to ABP, the **AddressSource** field in the REL structure will have the value "Mpl".

If neither the gas nor electricity MPL addresses have been matched to OS AddressBase Premium, then they will have different [pseudo] UPRNs even though the addresses may be the same. For example:

OS ABP Address	23, My Street, My Town, AA1 1AA	Different to gas & electricity MPLs
Gas MPL address	Rose Cottage, My Street, My Town, AA1 1AA	Unmatched in ABP - copied from MPL
Gas REL address	Rose Cottage, My Street, My Town, AA1 1AA	
Gas UPRN	999123002345	Different to gas UPRN
Electricity MPL address	Rose Cottage, My Street, My Town, AA1 1AA	Unmatched in ABP - copied from MPL
Electricity REL address	Rose Cottage, My Street, My Town, AA1 1AA	
Electricity UPRN	999456103491	Different to electricity UPRN

Since the [pseudo] UPRNs do not match, the Utilities Register will be unable to align the addresses into a single 'dual fuel' record and the gas and electricity details will be returned as separate structures.

4.4.6 RelAddresses Array

The table below provides details of all fields returned in the **RelAddresses** array in the Utilities Register response:

RelAddresses Field	Max Length	Description	Example/Values
AddressSource	10	Denotes whether the address is an MPL address (unmatched), manually entered and matched or matched directly to an address in OS AddressBase Premium	<p>One of:</p> <p>Match The Address Service Provider has successfully matched the gas and/or electricity MPL address to OS AddressBase Premium (ABP) and as assigned an OS UPRN</p> <p>Mpl The Address Service Provider has not matched the MPL address to ABP and the REL address is simply a reformatted version of the MPL address. The UPRN is assigned by the Address Management Provider is a non- Ordnance Survey UPRN and cannot therefore subsequently be resolved to an ABP address</p> <p>Manual An initial match was found and subsequently found to be incorrect. The address was manually amended such that it now, correctly, corresponds to an address within the address service or reflects the 'best' address as specified by the consumer. Address might be matched to OS ABP or remain unmatched, dependent on the particular address provided</p>
FullAddress		A single line address string	GB Group plc,The Foundation,Chester Business Park,Chester CH4 9GB
PrimaryName	90	The primary addressable object of the property, usually the name or number of the property	22
SecondaryName	90	The secondary addressable object of the property such as a flat within a building	Flat A
Street 1	100	Main street	Albany Road
Street 2	80	Dependent street	Albany Mews
Locality 1	35	Dependent locality	Churton
Locality 2	35	Double dependent locality	Farndon
Town	30	Post Town	Chester
Postcode	8	Post Code	CH4 9GB
LogicalStatus	1	Status of the address	<p>0 Delivery Point Alias (no Logical Status)</p> <p>1 <i>Approved:</i> The 'official' version of the address. There should be only one approved address</p> <p>3 <i>Alternative:</i> An alias address where for example, the residents may have added a property name to a building number. A property could potentially have multiple alternative addresses</p> <p>6 <i>Provisional:</i> Property address is temporary for plots and new builds pending the address being added by the naming and numbering scheme</p> <p>8 <i>Historic:</i> An historical version of an alternative or approved address variant</p>
Language	3	The language of the address. Uses the ISO 639-2 Code	Eng English Cym Welsh
Organisation	60	Current organisation name of the property	GB Group plc
AddressType	3	The type of address for this entry within the array	LPI <i>Land & Property Identifier:</i> The address of the BLPU (Basic Land and Property Unit) but in a

			standard format which uniquely identifies the BLPU in relation to its street within the National Street Gazetteer DPA <i>Delivery Point Address</i> : Royal Mail's PAF version of the LPI address
ConfidenceScore	3	The degree of correlation between the MPL address and the AddressBase address in the REL	98
Classification	6	Classification code of the property as per the AddressBase Premium classification scheme (564 classification codes). See Appendix H:REL Classification Codes	Examples: CI01FL: Flour mill RD03: Semi-detached, residential dwelling
Latitude	10.6	Latitude of the property	53.161245
Longitude	10.6	Longitude of the property	-2.906425

4.5 ElectricityInformation

Details of the gas supply for a selected property are contained in the **ElectricityInformation** section which has three sub-sections:

- MplAddress
- MpanCount
- Mpans

The annotated JSON skeleton below represents the response from the Utilities Register service.

Red Red fields represent existing data items from the pre-MHHS service, and which will continue to be returned post-MHHS go-live.

Green Green fields identify new MHHS fields.

Blue Blue fields identify current items that will eventually be deprecated from the service, post-MHHS go-live expected to be in 2026/2027.

```

"ElectricityInformation": {
  "MplAddress": {
    "MplAddress1": "",
    "MplAddress2": "",
    "MplAddress3": "",
    "MplAddress4": "",
    "MplAddress5": "",
    "MplAddress6": "",
    "MplAddress7": "",
    "MplAddress8": "",
    "MplAddress9": "",
    "MplPostcode": ""
  },
  "MpanCount": "0",
  "Mpans": [
    {
      "Mpan": "",
      "MpanEfd": "",
      "MpanEtd": "",
      "DistributorMpid": "",
      "DistributorName": "",
      "TradingStatus": "",
      "TradingStatusEfd": "",
      "GspId": "",
      "GspIdEfd": "",
      "GspIdDescription": "",
      "LineLossFactor": "",
      "LineLossFactorEfd": "",
      "DccServiceFlag": "",
      "DccServiceFlagEfd": "",
      "GreenDealInEffect": "",
      "SupplierMpid": "",
      "SupplierMpidEfd": "",
      "SupplierName": "",
      "EnergisationStatus": "",
      "EnergisationStatusEfd": "",
      "ProfileClass": "",
      "ProfileClassEfd": "",
      "ProfileClassDescription": "",
      "StandardSettlementConfiguration": "",
      "StandardSettlementConfigurationEfd": "",
      "MeterTimeswitchClass": "",
      "MeterTimeswitchClassEfd": "",
      "MeterTimeSwitchClassDescription": "",
      "MeasurementClass": "",
      "MeasurementClassEfd": "",
      "MeasurementClassDescription": ""
    }
  ]
}

```

← MPL address for this property

← Count of MPANs for this property

← Meter point (MPAN) attributes

Continued ...

```

    "DataAggregatorMpid": "",
    "DataAggregatorEfd": "",
    "DataCollectorMpid": "",
    "DataCollectorEfd": "",
    "MeterOperatorMpid": "",
    "MeterOperatorEfd": "",
    "Smsompid": "",
    "SmsompidEfd": "",
    "Smsomname": "",
    "Smsodipid": "",
    "Ihdstatus": "",
    "IhdstatusEfd": "",
    "SmetsVersion": "",
    "MeteredIndicator": "",
    "MeteredIndicatorEfd": "",
    "MeteredIndicatorEtd": "",
    "ConsumerType": "",
    "DomesticConsumerIndicator": "",
    "DomesticPremiseIndicator": "",
    "RelationshipStatusIndicator": "",
    "RmpState": "",
    "RmpStateEfd": "",
    "CssSupplierMpid": "",
    "CssSupplyStartDate": "",
    "CssSupplierName": "",
    "MhhsIndicator": "",
    "MhhsIndicatorEfd": "",
    "EnergyDirection": "",
    "EnergyDirectionEfd": "",
    "EnergyDirectionEtd": "",
    "ConnectionType": "",
    "ConnectionTypeEfd": "",
    "ConnectionTypeEtd": "",
    "DistributorDipId": "",
    "DisconnectionEfd": "",
    "SupplierDipId": "",
    "MeteringServiceMpid": "",
    "MeteringServiceName": "",
    "MeteringServiceDipId": "",
    "MeteringServiceEfd": "",
    "AnnualConsumption": "",
    "AnnualConsumptionEfd": "",
    "AnnualConsumptionQualityIndicator": "",
    "AssignedMdrDipId": "",
    "AssignedMdrMpid": "",
    "AssignedMdrName": "",
    "AssignedMdrEfd": "",

```

Meter point attributes
for this MPAN



4.5.1 MplAddress

Each property will have one Meter Point Location (MPL) address associated with it. This is the address originating from the Distribution Network Operator and is the version prior to it being matched by Landmark against OS AddressBase. This is returned by the Utilities Register in the electricity sector Standard Address Format (SAF) of 9 lines + postcode.

4.5.2 MpanCount

If your search of the Utilities Register has been matched against EES, then the returned address will contain one or more a primary MPANs and possibly one more secondary MPANs associated with one of the primary MPANs. The **MpanCount** field is a count of the total number of MPANs for this property.

4.5.3 Mpans

The details for each MPAN at the property, are provided in an array of **Mpans** structures, the number of which is the **MpanCount**. Details of the elements of the structure are provided in the table below.

Note that each MPAN may have zero or more meters associated with it and meter-specific details are returned in the **Meters** array section. The number of electricity meters for each MPAN is given in the **MeterCount** field.

Secondary MPANs typically have a MeterCount of zero and all meters are usually associated with the Primary MPAN.

The table below lists all possible returned fields and identifies whether each data item is populated under the legacy Arrangements (pre-MHHS) and MHHS Arrangements (post-MHHS). MHHS fields will become available from October 2025.

Mpans Section Field	Description	Example/Values	Legacy	MHHS
Mpan	13-digit MPAN excluding topline	1324351324350	Y	Y
MpanEfd	Effective-From-Date for this MPAN	20190712	Y	Y
MpanEtd	Effective-To-Date for this MPAN	20190712	Y	Y
DistributorMpid	Market Participant ID of the DNO	SPEN	Y	Y
DistributorName	Name of the DNO	SP Energy Networks	Y	Y
TradingStatus	Indicates the trading status of the MPAN	One of: N <u>New</u> - The MPAN is a new MPAN created by a distributor and has no Supplier in place as yet R <u>Registered</u> - The MPAN has been registered to a Supplier, but the Supplier has not provided sufficient data to enable trading T <u>Traded</u> - The Supplier has provided all the required data to enable the MPAN to be set as trading X <u>Disconnected</u> - The MPAN has been recorded as disconnected	Y	Y
TradingStatusEfd	Trading Status Effective-From-Date	20190712	Y	Y
GspId	Grid Supply Point Group Id. Geographic identified for the distribution network. Note, this may be a different geographic region to the area of the UK traditionally served by the DNO owning the MPAN and indicated by the first 2 digits of the MPAN.	One of: _A Eastern _B East Midlands _C London _D Merseyside and North Wales _E Midlands	Y	Y

		_F Northern _G North Western _H Southern _J South Eastern _K South Wales _L South Western _M Yorkshire _N South Scotland _P North Scotland		
GspIdEfd	GSPId Effective-From-Date	20190712	Y	Y
GspIdDescription	Name of the GSP region	Merseyside and Northern Wales	Y	Y
LineLossFactor	Line Loss Factor (LFF)	As defined in the REC Specification	Y	Empty
LineLossFactorEfd	LLF Effective-From-Date	20190712	Y	Empty
DccServiceFlag	DCC Service Flag	One of: A Active N Inactive I Installed not commissioned	Y	Y
DccServiceFlagEfd	DCC Service Flag Effective-From-Date	20190712	Y	Y
GreenDealInEffect	Indicates if Green Deal is effective for this MPAN	One of: True Active Green Deal False No active Green Deal	Y	Y
SupplierMpid	Current supplier MPID	MANW	Y	Y
SupplierMpidEfd	Current supplier Effective-From-Date	20190712	Y	Y
SupplierName	Name of current supplier	Scottish Power Energy Retail Ltd	Y	Y
EnergisationStatus	Energisation Status	One of: E Energised D De-energised	Y	Y
EnergisationStatusEfd	Energisation Status Effective-From-Date	20190712	Y	Y
ProfileClass	Profile Class ID	One of: 1 Domestic Unrestricted 2 Domestic Economy 7 3 Non-domestic Unrestricted 4 Non-domestic Economy 7 5 Non-domestic load factor 0-20% 6 Non-domestic load factor 20-30% 7 Non-domestic load factor 30-40% 8 Non-domestic load factor 40%+	Y	Y
ProfileClassEfd	Profile Class Effective-From-Date	20190712	Y	Y
ProfileClassDescription	Description of the profile class value	Non-domestic load factor 0-20%	Y	Y
StandardSettlementConfiguration	Standard Settlement Configuration	Unrestricted	Y	Y
StandardSettlementConfigurationEfd	SSC Effective-From-Date	20190712	Y	Y
MeterTimeswitchClass	Timeswitch Class	802	Y	Empty
MeterTimeswitchClassEfd	Timeswitch Class Effective-From-Date	20190712	Y	Empty
MeterTimeSwitchClassDescription	Timeswitch Class description	NHH non-prog 1r meter and T/S and token acceptor	Y	Empty
MeasurementClass	Measurement Class	One of:	Y	Empty

		A Non-Half Hourly Metered B Non-Half Hourly Unmetered C HH metered in 100kW premises D Half Hourly Unmetered E HH metered sub 100kW CT F Half Hourly Metering Equipment at sub 100kW premises with current transformer or whole current and at Domestic Premises G Half Hourly Metering Equipment at sub 100kW premises with whole current and not at Domestic Premises		
MeasurementClassEfd	Measurement Class Effective-From-Date	20190712	Y	Empty
MeasurementClassDescription	Measurement Class Description	Half Hourly Unmetered	Y	Empty
DataAggregatorMpid	Data Aggregator MPID	LIME	Y	Empty
DataAggregatorEfd	Data Aggregator Effective-From-Date	20190712	Y	Empty
DataCollectorMpid	Data Collector MPID	UPLD	Y	Empty
DataCollectorEfd	Data Collector Effective-From-Date	20190712	Y	Empty
MeterOperatorMpid	Meter Operator MPID	AESM	Y	Empty
MeterOperatorEfd	Meter Operator Effective-From-Date	20190712	Y	Empty
Smsompid	Smart Meter Systems Operator MPID	BMET	Y	Y
SmsompidEfd	SMSO MPID Effective-From-Date	20190712	Y	Y
Smsomname	Name of Smart Meter Systems Operator	ABC Limited	Y	Y
Smsomdipld	SMSO Data Interface Protocol ID		Empty	Y
Ihdstatus	In-Home-Display status	On of: D Declined - the customer has declined the offer to install an In-Home Display by the Supplier E Existing - the customer already has an In-Home Display when changing supplier I Installed - the customer has accepted the offer, by the Supplier, for an In-Home Display and it has been installed	Y	Y
IhdstatusEfd	IHD Status Effective-From-Date	20190712	Y	Y
Smetsversion	Smart Meter Equipment Technical Specification (SMETS) Version	One of: NONE SMETS1 SMETS2	Y	Empty
MeteredIndicator	Metered Indicator An indicator to show whether the Consumption Component is for a metered supply or unmetered supply		Y	Y
MeteredIndicatorEfd	Metered Indicator Effective-From-Date	20190712	Y	Y
MeteredIndicatorEtd	Metered Indicator Effective-To-Date	20190712	Y	Y
ConsumerType	Indicates whether supply is domestic or non-domestic	One of: Domestic Non-Domestic	Y	Empty
DomesticConsumerIndicator	Indicates if the supply is domestic or consumer. To be replaced by		Y	Empty

	DomesticPremisesIndicator post MHHS			
DomesticPremiseIndicator	Indicates if the supply is domestic	Boolean, one of: true false Note: renamed from DomesticConsumerIndicator	Y	Y
RelationshipStatusIndicator	EMAR Data Item DI90177. To be resolved		Y	Y
RmpState	EMAR Data Item DI90178. To be resolved		Y	Y
RmpStateEfd	RMP Effective-From-Date	20190712	Y	Y
CssSupplierMpid	Supplier MPID as recorded in CSS	MANW	Y	Empty
CssSupplyStartDate	Date current supplier took on the supply as recorded in CSS	20190712	Y	Empty
CssSupplierName	CSS Supplier Name	Scottish Power	Y	Empty
MhhsIndicator	Indicates whether MPAN is Legacy, MHHS or Reversed	One of: T Under MHHS Arrangements F Under Legacy Arrangements R Reverse Migrated back to legacy having been under MHHS Arrangements	Y	Y
MhhsIndicatorEfd	MHHS indicator effective from date	20190712	Y	Y
EnergyDirection	Energy direction	One of I Import E Export	Y	Y
EnergyDirectionEfd	Energy direction effective-from-date	20190712	Y	Empty
EnergyDirectionEtd	Energy direction effective-to-date	20190712	Y	Empty
ConnectionType	Connection type	3	Y	Y
ConnectionTypeEfd	Connection type Effective-From-Date	20190712	Y	Y
ConnectionTypeEtd	Connection type Effective-To-Date	20190713	Y	Empty
DistributorDipId	Distributor DIP identifier	1234567890	Empty	Y
DisconnectionEfd	RMP Effective-From-Date	20190712	Empty	Y
SupplierDipId	Supplier DIP identifier		Empty	Y
MeteringServiceMpid	Metering Service/Meter Operator MPID Metering Service details will reflect either the MOA or the UMSO depending on whether the Metering Point is Metered or Unmetered	ABCD	Y	Y
MeteringServiceName	Name of metering services operator	ABC Limited	Y	Y
MeteringServiceDipId	Metering Service DIP identifier	1234567890	Empty	Y
MeteringServiceEfd	Metering Service Effective-From-Date	20190712	Y	Y
AnnualConsumption	ECS Calculated Annual Consumption (kWh)		Empty	Y
AnnualConsumptionEfd	Date on which Annual Consumption Calculated / Effective From	20190712	Empty	Y
AnnualConsumptionQualityIndicator	ECS Calculated Annual Consumption Quality Indicator		Empty	Y
AssignedMdrDipId	Meter Data Reader DIP Identifier (if relevant)	1234567890	Empty	Y

AssignedMdrMpid	Meter Data Reader MPID	ABCD	Empty	Y
AssignedMdrName	Name of Assigned MDR	ABC Limited	Empty	Y
AssignedMdrEfd	Meter Data Reader effective from date	20190712	Empty	Y
CustomerDirectContractDsExists	Identifies where such a relationship exists for a Data Service	0	Empty	Y
CustomerDirectContractDsDipId	Customer Direct Contract Data Service DIP Identifier	1234567890	Empty	Y
CustomerDirectContractDsMpid	Customer Direct Contract Data Service MPID	ABCD	Empty	Y
CustomerDirectContractDsName	Identifies where such a relationship exists for a Metering Service	ABC Limited	Empty	Y
CustomerDirectContractMsExists	Customer Direct Contract Metering Service DIP Identifier	0	Empty	Y
CustomerDirectContractMsDipId	Customer Direct Contract Metering Service DIP ID	1234567890	Empty	Y
CustomerDirectContractMsMpid	Customer Direct Contract Metering Service MPID	ABCD	Empty	Y
CustomerDirectContractMsName	Name of Customer Direct Contract Metering Service provider	ABC Limited	Empty	Y
DataServiceDipId	Data Service DIP Identifier	1234567890	Empty	Y
DataServiceEfd	DataService Effective-From-Date	20190712	Empty	Y
DataServiceMpid	Data Service MPID	ABCD	Empty	Y
DataServiceName	Data Service Operator Name	ABC Limited	Empty	Y
DuosTariffId	DUOS Tariff ID	12B	Empty	Y
DuosTariffIdEfd	DUOS Tariff ID Effective From Date	20190712	Empty	Y
MarketSegmentIndicator	Market Segment Indicator	S	Empty	Y
MarketSegmentIndicatorEfd	Market Segment Indicator Effective From Date	20190712	Empty	Y
ImportMpan	Associated Import MPAN	1324354657689	Y	Y
ExportMpan	Associater Export MPAN	1342536475869	Y	Y
AssociationEfd	Associated MPAN Effective-From-Date	20190712	Y	Y
AssociationEtd	Associated MPAN Effective-To-Date	20190713	Y	Y
MeterCount	Count of the number of electricity meters associated with this MPAN	2	Y	Y
MeterSerialNumber	AA123456789		Y	Y
MeterType	Type of meter	One of: N Non-Half Hourly RCAMR Remotely Configurable Automated Meter Reading without remote enable/disable capability NCAMR Non-remotely Configurable Automated Meter Reading RCAMY Remotely Configurable Automated Meter Reading with remote enable/disable capability K Key	Y	Y

		<p>NSS A meter that meets the definition of an ADM but is not compliant with any version of SMETS</p> <p>S1 A meter that is compliant with the SMETS Version 1.0 – Smart meter</p> <p>S2 A meter that is compliant with the SMETS Version 2.0 – Smart meter</p> <p>S1A A meter that is compliant with the SMETS Version 1.0a – Smart meter</p> <p>S2A A single element meter that is compliant with the SMETS Version 2.0a – Smart meter</p> <p>S2B A twin element meter that is compliant with the SMETS Version 2.0a – Smart meter</p> <p>S2C A polyphase meter that is compliant with the SMETS Version 2.0a – Smart meter</p> <p>S2AD A single element meter with one or more ALCS that is compliant with SMETS2</p> <p>S2BD A twin element meter with one or more ALCS that is compliant with SMETS2</p> <p>S2CD A polyphase meter with one or more ALCS that is compliant with SMETS2</p> <p>S2ADE Single element meter with one or more ALCS and Boost Function that is compliant with SMETS2</p>		
MeterTypeDescription	Description of the meter	See description of MeterType above	Y	Y
MeterInstallDate	Meter installation date	20190712	Y	Y
MapMpid	MPID of the Meter Asset Provider	BEM	Y	Y
MapMpidEfd	MAPId Effective From Date	20190712	Y	Y
MapName	Name of Meter Asset Provider	ABC Limited	Y	Y
MapDipId	Meter Asset Provider DIP identifier	123456789	Empty	Y
InstallingSupplierMpid	MPID of the Installing Supplier	MANW	Y	Y
InstallingSupplierName	Name of the Installing Supplier	Scottish Power	Y	Y
InstallingSupplierDipId	Installing Supplier DIP identifier	123456789	Empty	Y
MeterLocation	A code denoting the location of the metering system within the site	<p>One of:</p> <p>A Attic</p> <p>B Bedroom</p> <p>C Cellar/Basement</p> <p>D Other not specified</p> <p>E Indoors</p> <p>F Not known</p> <p>G Garage/Greenhouse</p> <p>H Hall</p> <p>I Cupboard</p> <p>J Intake</p> <p>K Kitchen</p> <p>L Landing</p> <p>M Sub Station</p> <p>N TC Chamber</p> <p>O Outbuilding/Barn</p> <p>P Pole</p>	Empty	Y

		R Ladder required S Understairs T Toilet U Upstairs V Vestry W Under Window X Outside Box Y O/S Box with restricted access Z Communal Cupboard		
MeterLocationDescription	Textual description of the meter location	e.g Attic	Empty	Y
Esmeld	Electricity Smart Meter Equipment ID	AB-CD-EF-GH-IJ-KLMN-OP	Empty	Y
RegisterDigits	Number of digits/dials to the left of the decimal point	6	Empty	Y
MeterManufacturer	Meter manufacturer	ABC Meters Ltd	Empty	Y

4.6 Gas Information

Details of the gas supply for a selected property are contained in the `GasInformation` section. The structure is shown below and contains three sub-sections:

- MplAddress
- MprnCount
- MPRNs

```

"GasInformation": {
  "MplAddress": {
    "DeliveryPointAlias": "",
    "SubBuilding": "",
    "BuildingName": "",
    "PremiseNumber": "",
    "PostBox": "",
    "DependentThoroughfare": "",
    "Thoroughfare": "",
    "DoubleDependentLocality": "",
    "DependentLocality": "",
    "Locality": "",
    "AdministrativeArea": "",
    "PostalCode": "",
    "CountryName": ""
  },
  "MprnCount": "0",
  "Mprns": [
    {
      "Mprn": "",
      "SupplierMpid": "",
      "SupplierMpidEfd": "",
      "SupplierName": "",
      "PendingSupplierMpidEfd": "",
      "DailyMeteredQuantity": "",
      "GasTransporterId": "",
      "GasTransporterName": "",
      "LdzId": "",
      "LdzName": "",
      "AnnualQuantity": "",
      "NonDailyMeteredQuantity": "",
      "AmrIndicator": "",
      "ConvertorIndicator": "",
      "CorrectionFactor": "",
      "ExitZone": "",
      "FormulaYearSupplyMeterPointAq": "",
      "TwinStreamFlag": "",
      "IncomingSupplier": "",
      "IncomingSupplierName": "",
      "MarketSectorCode": "",
      "NetworkName": "",
      "PreviousSupplierName": "",
      "PreviousSupplierShortCode": "",
      "MeterCount": ""
    }
  ]
}

```

Diagram illustrating the structure of the `GasInformation` section:

- The `MplAddress` sub-section contains 13 attributes related to the property's address, including `DeliveryPointAlias`, `SubBuilding`, `BuildingName`, `PremiseNumber`, `PostBox`, `DependentThoroughfare`, `Thoroughfare`, `DoubleDependentLocality`, `DependentLocality`, `Locality`, `AdministrativeArea`, `PostalCode`, and `CountryName`. This section is labeled as the **MPL address for this property**.
- The `MprnCount` attribute represents the **Count of MPRNs for this property**.
- The `Mprns` array contains an array of meter point attributes (details below). This section is labeled as **Meter point attributes (details below)**.
- The `MeterCount` attribute within the `Mprns` array represents the **Count of meters for this MPRN**.



4.6.1 MplAddress

Each property will have one Meter Point Location (MPL) address associated with it. This is the address originating from the Gas Transporter and is the version prior to it being matched by Landmark against OS AddressBase. This is returned by the Utilities Register in the standard format of the gas sector.

4.6.2 MprnCount

The `MprnCount` field is a count of the total number of MPANs returned for this property from GES.

4.6.3 Mprns

The details for each MPRN at the property, are provided in an array of `Mprns` structures, the number of which is given by the `MprnCount`. Details of the elements of the structure are provided in the table below.

Note that each MPRN may have zero or more meters associated with it and meter-specific details are returned in the `Meters` array section. The number of gas meters for each MPRN is given in the `MeterCount` field and is always 1.

Mprns Field	Description	Example/Values
Mprn	MPRN	1234567890
SupplierMpid	Existing supplier Market Participant Id	HBL
SupplierMpidEfd	Existing supplier MPID Effective-From-Date	20190807
SupplierName	Existing supplier name	Bulb Energy Ltd
PendingSupplierMpidEfd	Pending supplier Effective-From-Date	20220729
DailyMeteredQuantity	Daily Metered current annual offtake quantity (AQ) of a Supply Meter Point. Value in kWh	17799
GasTransporterId	Unique Identifier for the Gas Transporter Organisation. For large Transporters, this can also be used to identify the geographical area where a metering point is located	DNS
GasTransporterName	Name of the Gas Transporter	Scotland Gas Networks
LdzId	Unique reference code for the Local Distribution Zone (LDZ)	LS
LdzName	Name of the LDZ	Stranraer
AnnualQuantity	The current annual offtake quantity (AQ) of a Supply Meter Point. Value in kWh	6480000
NonDailyMeteredQuantity	Non-Daily Metered current annual offtake quantity (AQ) of a Supply Meter Point. Value in kWh	8000
AmrIndicator	Indicator to identify whether the site has an Automated Meter Reading (AMR) Indicator installed	One of: Y AMR installed NULL AMR not installed
ConvertorIndicator	Indicator to identify whether the site has a convertor attached	One of: Y Convertor installed NULL Convertor not installed
CorrectionFactor	A fixed factor based on pressure/altitude/temperature	1.23456
ExitZone	Unique reference for the Exit Zone	SC04
FormulaYearSupplyMeterPointAQ	The Supply Meter Point AQ that is fixed throughout the formula year for determination of Transportation rates. For Class 3 and Class 4 Supply Meter Points	7654321
TwinStreamFlag	Indicator to identify if there is more than one meter at the site (Twin Stream)	One of: Y Site is twin stream NULL Site is not twin stream
IncomingSupplier	A unique three-character code used to identify the incoming supplier	VES
IncomingSupplierName	Name of the incoming supplier	ENGIE Gas Ltd
MarketSectorCode	A code that specifies that the site is used for domestic or industrial and commercial purposes	One of: D Domestic I Industrial and Commercial
NetworkName	Gas Distribution Network Name	Scotland
PreviousSupplierName	The name of the previous supplier	Shell Energy Supply UK Ltd
PreviousSupplierShortCode	A unique three-character code used to identify the previous supplier	SGS
MeterSerialNumber	Meter serial number	G4A01234567890
MeterCapacity	Meter capacity	100
MeterMechanismCode	Code to identify the meter mechanism	One of: CR Credit MT Mechanical Token

		ET Electronic Token CM Coin PP Prepayment TH Thrift U Unknown NS Non-SMETS Smart Meter S1 SMETS 1 Smart Meter S2 SMETS 2 Smart Meter
SmartEquipmentTechnicalCode	Specification ID of the smart meter	BRG
InstallingSupplierId	3-character code of installing supplier	OCT
InstallingSupplierName	Installing supplier name	Octopus Energy Ltd
LastMeterReadDate		20220315
LastMeterReadType	The source or type of the last meter reading	M Meter Read Organisation E Supplied by the End User A Agreed Opening Read R Remote Reading Equipment Read Q Shipper Provided Estimated Read G Gas Card Read P Point of Sale Read
LastMeterReadValue		0012345
MeterDeviceStatus	A code indicating the current status of the meter	LI Live FA Faulty IN Inactive CU Cut off Meter CL Clamped CA Capped SP Spin Cap OT Other UN Unknown NI Not Installed RE Removed
MeterImperialIndicator	Indicator identifying if the meter measures volume of gas consumed in metric or imperial units	One of: Y Imperial N Metric
MeterInstallationDate	Date meter was installed	20180324
MeterLocation	A code representing the location of a meter	One of: 0 Unknown 1 Cellar 2 Under stairs 3 Hall 4 Kitchen 5 Bathroom 6 Garage 7 Canteen 8 Cloakroom 9 Cupboard 10 Domestic 11 Front door 12 Hall cupboard

		13 Kitchen cupboard 14 Kitchen under the sink 15 Landing 16 Office 17 Office cupboard 18 Outside WC 19 Pantry 20 Porch 21 Public bar 22 Rear of shop 23 Saloon bar 24 Shed 25 Shop front 26 Shop window 27 Staff room 28 Store room 29 Toilet 30 Under counter 31 Waiting room 32 Meter-box 98 – Other 99 – Outside
MeterManufacturer	Short code of meter manufacturer	CHE (for Cheltenham Meters for example)
MeterModel	Meter model name or description	e.g. MC20171 or TAC_C201/P
MeterNumberOfDials	Number of dials in meter	7
MeterPointStatus		One of: DE Dead CA Capped CL Clamped PL Planned
MeterType		One of: CR Credit MT Mechanical Token ET Electronic Token CM Coin PP Prepayment TH Thrift U Unknown NS Non-SMETS Smart Meter S1 SMETS 1 Smart Meter S2 SMETS 2 Smart Meter
MeterUnits	This contains the units the meter installed on a Supply Point is reading in e.g. 10, 100, 1000	100
MeterYearOfManufacture	The year of manufacture of the meter	2015

5 Error Handling

5.1 HTTP Responses

Responses from a successful call to the Utilities Register service will return with an HTTP code of 200, even when no results are returned. The 200 code tells you that the service is running correctly and has processed your request, regardless of whether the request was badly formed, or no results could be found.

If there is a technical problem with the service, the URL is incorrect, a syntax error has been detected in the request JSON or for example you have used the wrong method type, then a different HTML error will be returned such as 404 or 500.

For a full list of HTTP status codes, please see https://en.wikipedia.org/wiki/List_of_HTTP_status_codes

5.2 Utilities Register Responses and Error Codes

A full list of status and error codes for the Utilities Register is provided in the appendix [Utilities Register Error Codes](#) below.

If an error occurs, the search response is replaced with an error status response and error details are contained in the body of the JSON document in the format shown in the following example:

```
{
  "Number": 2,
  "Description": "Unknown key",
  "Cause": "The key you are using to access the service was not found.",
  "Resolution": "Please check that the key is correct.
                It should be in the form AA11-AA11-AA11-AA11"
}
```

5.3 EES, GES and Verify Status and Error Messages

The status and/or error messages received from the external services called by Utilities Register, including EES, GES and Loqate's address verification service Verify, are contained within the main body of the search response in the `EnquiryStatus` section:

```
"EnquiryStatus": {
  "Gas": {
    "Success": true,
    "Message": ""
  },
  "Electricity": {
    "Success": true,
    "Message": ""
  },
  "Verify": {
    "Success": true,
    "Message": ""
  },
}
```

If the **Success** field is **true**, this means the call by the Utilities Register to the external EES, GES or Verify API(s) was successful. This does not necessarily mean that the search for addresses or meter-point details was successful but simply that the services returned valid responses.

Appendix A: Utilities Register Error Codes

The error-codes below are separated into two tables, one containing a list of codes and messages specific to the Utilities Register service and the second containing codes and messages that are generic across all Loqate services.

A.1 Utilities Register-Specific Error Messages

Service-specific errors have IDs starting at 1000.

Code	Error	Description
1000	InvalidJson	Invalid JSON supplied The JSON object in the POST body was invalid Please correct and send a valid JSON request object in the POST body
1001	NoDataSupplied	No data supplied Please ensure that all the necessary information is provided in the request
1002	ProcessingFailed	Processing failed Error looking up utility records There was a server error whilst processing your request. Please try again later
1003	ProcessingTimeout	Processing timeout Your request took too long to process and timed out. Please try again later
1004	TooManyAddressesSupplied	Address input limit reached This service accepts one address at a time
1005	NoKeySupplied	No key has been provided Please provide an API key The request to this service requires an API key value
1006	InvalidVerifyParameterSupplied	Verify parameter must be set to True as the address is not provided in a structured format The address provided is unformatted as no data was provided in any of the following fields: <ul style="list-style-type: none"> • Organisation • SubBuilding • Building • Premise • DependentThoroughfare • Thoroughfare • Street • DoubleDependentLocality • DependentLocality • Locality • PostBox

		<ul style="list-style-type: none"> PostalCode SubAdministrativeArea AdministrativeArea SuperAdministrativeArea
1007	NoSufficientAddressSupplied	<p>Address1 parameter not supplied for verification process Please set at least <Address1> parameter to get the unformatted address verified</p> <p>The address provided is unformatted as no sufficient data was provided in the following field: <list of missing fields separated by comma></p>
1008	NoUtilitySelected	<p>No services were selected Please specify the utility service that you want to query The request must have either <Gas>, or <Electricity>, or both set to true</p>
1009	WrongUtilitySelected	<p>Invalid input and search parameter combination is provided when searching by reference key. Please specify the correct combination of search options and input parameters The request must have one of:</p> <p><code>"Options.Gas": true</code> and <code>"ReferenceKey.Mprn": "<MPRN-value>"</code></p> <p>or</p> <p><code>"Options.Electricity": true</code> and <code>"ReferenceKey.Mpan": "<MPAN-value>"</code></p> <p>or</p> <p><code>"Options.Gas": true</code> and <code>"Options.Electricity": true</code> and <code>"ReferenceKey.Mprn": "<MPRN-value>"</code> and <code>"ReferenceKey.Mpan": "<MPAN-value>"</code></p>
1010	UnauthorisedDataset	<p>Account is not authorised to use the Utilities Premium dataset. Please update your account for the use of Utilities Premium dataset</p>

A.2 Generic Error Messages

The following errors are generic across Loqate APIs.

To test for an error response, look for a 4-column table with columns "Error", "Description", "Cause" and "Resolution".

Generic errors like these have IDs below 100. Specific errors have IDs starting at 1000.

Id	Error	Cause	Resolution
-1	Unknown error	The cause of the error is unknown, but details have been passed to our support staff who will investigate	These problems are typically short lived and are often resolved by trying again in a few minutes
2	Unknown key	The key you are using to access the service was not found	Please check that the key is correct. It should be in the form AA11-AA11-AA11-AA11
3	Account out of credit	Your account is either out of credit or has insufficient credit to service this request	Please check your account balance and top it up if necessary
4	Request not allowed from this IP	The request was disallowed from the IP address	Check the security settings on the key first. If they look fine, please contact support as it may be from an IP address on our blacklist
5	Request not allowed from this URL	The request was disallowed from the URL	Check the security settings on the key first. If they look fine, please contact support as it may be from a URL on our blacklist
6	Web service not available on this key	The requested web service is disallowed on this key	Check the security settings on the key first. You can limit a key to certain web services
7	Web service not available on your plan	The requested web service is not currently available on your payment plan	Some services are only available in specific regions due to licensing restrictions. Please contact us for more information
8	Key daily limit exceeded	The daily limit on the key has been exceeded	Alter the daily limit on the key. Check the usage details first to see if usage is normal
9	Your account has been suspended	Your account has been suspended. This can be for a number of reasons including non-payment of an invoice	Please contact us in order to resolve this issue
10	Surge protector triggered	An unusually large number of requests have been processed for your account,	You can disable the surge protector at any time, but this is only

		so the surge protector has been enabled	recommended if you are running through a batch of requests
11	No valid license available	The request requires a valid licence, but none were found	Please check your purchase history. You may be using a license that is no longer valid or of an incorrect type
12	Management key required	To use this web service, you require a management key. Management can be enabled on any key, but we advise you to use management keys with care	Sign into the website and create a new management key or change an existing key
13	Demo limit exceeded	The daily demonstration limit for this service or account has been exceeded	The limit will be reset at midnight tonight. If you would like the limit increased, please contact us
14	Free service limit exceeded	You have used too many free web services	Our web services are designed to operate in stages. The first is usually a Find service followed by a Retrieve. If you use too many Finds without the corresponding number of Retrieves you will receive this error. For more information, please contact us
15	Wrong type of key	The type of key you're using isn't supported by this web service	This usually happens if you're using a user or server license with a web service that only supports transactional keys. Please use another key and try again
16	Key expired	The key you are trying to use has expired	Please check that you are using the right key. A new one may have been issued if you recently renewed your key. Contact us if you have any questions
17	Individual User exceeded Lookup Limit	An Individual User has exceeded their daily lookup limit on the key and that user will be prevented from using your service until tomorrow (GMT)	Check the usage details. If required, increase the Lookup Limit per Individual User or add the specific Individual User's IP to the Limiter Exclusions
18	Missing or invalid parameters	A required parameter was not supplied or the value of a parameter cannot be converted into the right type	Check the parameters passed and their values against the specification for this service
19	Invalid JSON object	The JSON object sent in your request is invalid	Please ensure your JSON object is syntactically correct and try again

20	Endpoint not available	The web service you are calling is not available on this endpoint	Refer to our documentation pages to ensure you are calling a valid endpoint for the web service you are requesting
21	Sandbox Mode is not available on this endpoint	The License key used has Sandbox Mode enabled, but the testing functionality is not available on this endpoint	Disable the Sandbox Mode on the License key
22	HTTPS requests only	As of 3rd September 2018, all accounts must use HTTPS	Ensure you consume all of our APIs over HTTPS and not HTTP
23	Agreement Not Signed	There are agreements associated with service which are not signed	Please go to your account and check your agreements

Appendix B: Address Verification Code

The Address Verification Code or AVC is made up of the following values:

- The verification status
- The post-processed verification match level
- The pre-processed verification match level
- The parsing status
- The lexicon identification match level
- The context identification match level
- The postcode status
- The matchscore

For example, V44-I44-P3-100 implies:

- Verification Status = V (Verified)
- Post-Processed Verification Match Level = 4 (Premise)
- Pre-Processed Verification Match Level = 4 (Premise)
- Parsing Status = I (Identified and Parsed)
- Lexicon Identification Match Level = 4 (Premise)
- Context Identification Match Level = 4 (Premise)
- Postcode Status = P3 (Added)
- Matchscore = 100 (Complete similarity)

B.1 Verification Status

V: Verified

A complete match was made between the input data and a single record from the available reference data

P: Partially Verified

A partial match was made between the input data and a single record from the available reference data

U: Unverified

Unable to verify. The output fields will contain the input data

A: Ambiguous

More than one close reference data match

R: Reverted

Record could not be verified to the specified minimum acceptable level. The output fields will contain the input data

B.2 Post-Processed Verification Match Level

The post-processed verification match level gives the level to which the input data matches the available reference data once all changes and additions performed during the verification process have been considered.

- 5: Delivery Point (PostBox or SubBuilding)
- 4: Premise (Premise or Building)
- 3: Thoroughfare
- 2: Locality or PostalCode
- 1: AdministrativeArea
- 0: None

B.3 Pre-Processed Verification Match Level

The pre-processed verification match level gives the level to which the input data matches the available reference data prior to any changes or additions performed during the verification process.

- 5: Delivery Point (PostBox or SubBuilding)
- 4: Premise (Premise or Building)
- 3: Thoroughfare
- 2: Locality
- 1: AdministrativeArea
- 0: None

B.4 Parsing Status

- I: Identified and Parsed
All input data has been able to be identified and placed into components
- U: Unable to parse
Not all input data has been able to be identified and parsed

B.5 Lexicon Identification Match Level

The lexicon identification match level gives the level to which the output data has some recognized form, through the use of pattern matching (e.g. a numeric value could be a premise number) and lexicon matching (e.g. 'rd' could be a ThoroughfareType, 'Road'; 'London' could be a Locality)

- 5: Delivery Point (PostBox or SubBuilding)
- 4: Premise (Premise or Building)
- 3: Thoroughfare
- 2: Locality
- 1: AdministrativeArea
- 0: None

B.6 Context Identification Match Level

The context identification match level gives the level to which the output data can be recognized based on the context in which it appears. This is the least accurate form of matching and is based on identifying a word as, for instance, a Thoroughfare based on it being preceded by something that could be a Premise, and followed by something that could be a Locality, the latter items being identified through a match against the reference data or the lexicon.

- 5: Delivery Point (PostBox or SubBuilding)
- 4: Premise (Premise or Building)
- 3: Thoroughfare
- 2: Locality
- 1: AdministrativeArea
- 0: None

B.7 Postcode Status

- P8: PostalCodePrimary and PostalCodeSecondary verified
- P7: PostalCodePrimary verified, PostalCodeSecondary added or changed
- P6: PostalCodePrimary verified
- P5: PostalCodePrimary verified with small change
- P4: PostalCodePrimary verified with large change
- P3: PostalCodePrimary added
- P2: PostalCodePrimary identified by lexicon
- P1: PostalCodePrimary identified by context
- P0: PostalCodePrimary empty

B.8 Matchscore

The matchscore indicates how much the input data has been changed during the verification process in order to achieve the post-processed verification match level. 100% means no changes have been made. Data additions are not measured by the matchscore, only changes. Please note that this value gives no indication of the level of verification, that is given by the post-processed verification match level.

B.9 Recommendations

Matchscore - Indicates the similarity between the input data and closest reference data match as a percentage between 0 and 100. 100% means complete similarity. When a matchscore is not 100, processing has changed the data. The lower the match score, the bigger the change. Generally, a matchscore of 95 or above indicates only a character or two have been changed during the process. If the input data is less clean a threshold of 80 might be considered, since significantly larger changes to the input data will then be allowed. Acceptable Matchscore varies by application and your business need drives the acceptance level.

Post-Processed Verification Match Level - For example: value: 4 means the output address is verified to premise.

Comparison between "Pre-Processed Verification Match Level" and Post-Processed Verification Match Level

- If different. i.e. if the AVC is V41, "4" (premise level) is the Post-Processed Verification Match Level, indicating the verification level reached after engine processing; "1" (AdministrativeArea level) is the Pre-Processed Verification Match Level, indicating the verification level reached before engine processing, signify the output could have undergone significant change and addition to reach verification level 4.

ThoroughfareStatus, LocalityStatus and AdministrativeAreaStatus - If they are "VerifiedLargeChange" (4), then it is possible the output address is a completely different address from the input address, even when the matchscore is high and Post-Processed Verification Match Level is verified to level 4 or above.

Appendix C: Address Quality Index

The Address Quality Index (AQI) is used to indicate the quality of an address, e.g., Excellent quality, Good quality, Average quality, Poor quality, and Bad quality. Any record that is able to be parsed will have an AQI.

Two factors decide the address quality, post-processed verification match level and Matchscore.

AQI	Address Quality	Explanation	Verification Level	Matchscore
A	Excellent	Verifiable to at least Premise level without changes	>=4	100
B	Good	Verifiable to at least Thoroughfare level with minor changes	>=3	>=95
C	Average	Verifiable to at least Locality level with moderate changes	>=2	>=90
D	Poor	Only verifiable to at least Locality level with more than moderate changes	>=2	>=80
E or Empty	Bad	If an address is unable to be parsed, the AQI can be empty		

C.1 Excellent Quality 'A' examples

999 Baker Way, San Mateo, CA, 94404, US

The address is verified to the Premise level without changes. The post-processed verification match level is 4, and the Matchscore is 100, the Address Quality Index is A.

80 Rama 2 Rd , Bangkok, 10150, Thailand

C.2 Good Quality 'B' examples

Rua Jose Iziboro Bizetto 158, Curitiba, 81200-240, Brazil

The address is verified to the Premise level with small change. The post-processed verification match level is 4, the Matchscore is 96, and an AQI "B" is returned.

C.3 Average Quality 'C' examples

Church Hill Ave, Sandy Bay, Tasmania, 7001, AU

The address is good but incomplete, and an AQI "C" is expected.

C.4 Poor Quality 'D' examples

Hong Kong Blvd 108, HongKong, HK

The address is verified to the Thoroughfare level but with large changes (Matchscore 81), so an AQI "D" is returned.

C.5 Bad Quality 'E' examples

2010 Rutter St, Irving, TX, 75015, US

The address can only be verified with large changes to the Thoroughfare and Postal Code. Matchscore is 73, and the Address Quality Index is E.

Appendix D: AddressBase Premium

The AddressBase Premium (ABP) dataset is owned and managed by [GeoPlace LLP](#) which is responsible for the acquisition and maintenance of the property and street information that feeds into the AddressBase range of products and the National Street Gazetteer. This data is sourced from a number of 'custodians' including local authorities (councils and unitary authorities), the Valuation Office Authority, Royal Mail as well as surveyed data from mapping companies such as OS.

GeoPlace is responsible for the allocation and management of the Unique Property Reference Number, a 12-digit unique key assigned to every Basic Land and Property Unit or BLPU on AddressBase and which remains associated to the property for its entire life-cycle.

[AddressBase Premium](#), OS's flagship product, is regarded as the most comprehensive address reference of the UK property stock and is made available as a licenced data product and service through Ordnance Survey and its network of registered partners such as GB Group. It is widely used across all local and national government departments and across all private sectors from health and transport to retail, telecoms, and energy.

AddressBase Premium was chosen by [DCC](#)¹² as the reference to be used by the Switching Programme's Address Service Provider (Landmark Information Services) for the creation of the Retail Energy Location or REL, and association of a UPRN to each Meter Point Location on the gas and electricity registration databases.

Within ABP, OS stores the full life-cycle of addresses for every property in England, Scotland, and Wales from the planning stage of a new-build, to demolition. Over the course of a property's life-cycle, its address may be modified several times and these changes are recorded within ABP along with a date-stamp of the change.

ABP is updated approximately eight times each year through 6-weekly epoch releases.

For more information please refer to the [AddressBase Premium Technical Specification](#).

¹² DCC = Data Communications Company

Appendix E: EES and GES Error Messages

The following are a list of error message descriptions that can be returned in the *Message* field of the *ElectricityEnquiryStatus* and *GasEnquiryStatus* structures in the Utilities Register response. EES and GES errors are trapped by the Utilities Register but these messages may be useful to aid tracing faults in the event of an error being raised.

E.1 EES Messages

Message
Metering Point for MPAN was not found
MPAN core was not found
Your current request count of {0} exceeds your maximum request limit of {1}
Your message contains {0} requests which exceeds the maximum parameter input of {1} for message {2}
You are not authorised to access method {0}
Your request contains {0} results which exceeds the maximum result limit of {1}
Your current usage ({0} requests) of method {1} has exceeded the method's maximum usage limit of {2}
Insufficient search criteria; at least two search parameters must be supplied when a full postcode is not specified
A minimum of three characters are required for the "Postcode" search parameter

E.2 GES Messages

Validation	Rejection Code	Message
Twinstream	e02	Requested address has twin stream meter device. You are not authorised to view this data
Shared Supply	e003	Requested address has shared supply meter device. You are not authorised to view this data
Twinstream and Shared Supply	e004	Requested address has twin stream and shared supply meter device. You are not authorised to view this data
Extinct meter point status	e005	Requested address has extinct meter point status. You are not authorised to view this data
MPRN not found	e007	Requested meter reference number is not found
MPRN has more than one matching records	e008	Requested meter reference number has more than one matching records; data can only be provided for unique match
Multiple records at address	e009	Submitted address details has multiple records; data is only provided for unique number
Unexpected error	e010	Unexpected error occurred while processing request
No matching record for address	e011	Requested address has no matching record. This may be because, there is no gas meter at this property (or) full

		postcode with a space is not entered (or) the entered details are incorrect
Authentication	XAUT0100	Access denied due invalid authentication details
Number of requests	XAUT0202	Too Many Requests
Spike limit	XAUT0203	Given account has exceeded the allocated spike limit
Missing parameters	XSCH6001	Request cannot be processed because Mandatory parameters are missing
Invalid parameters	XSCH6003	Request cannot be processed because invalid query parameter(s) supplied
No MPRN	XBRU1010	Meter Point Reference Number is not found
Invalid numeric	CSV00012	Invalid numeric field
Invalid field	CSV00018	Invalid field

Appendix F: Useful Reading

The following is a list of links to online documents that you may find useful as background reading on Ofgem's Faster and More Reliable Switching Programme and the Programme's address matching strategies, the Central Switching Service, the Retail Energy Location and the Retail Energy Code.

Note that access to some documents may require registration and login to the REC Portal at

<https://recportal.co.uk/>

Ref	Document and Source Link
1	Ofgem Switching Programme https://www.ofgem.gov.uk/energy-policy-and-regulation/policy-and-regulatory-programmes/switching-programme
2	Gas Data Access Matrix https://emar.energycodes.co.uk/rm/web#action=com.ibm.rdm.web.pages.showArtifactPage&artifactURI=https%3A%2F%2Femar.energycodes.co.uk%2Frm%2Fresources%2FWR_e00AoNEiEeyVWN8GQEvbdA&componentURI=https%3A%2F%2Femar.energycodes.co.uk%2Frm%2Frm-projects%2F_Xqe2IFBPEeuGWeSXvTEFcQ%2Fcomponents%2F_XwleIFBPEeuGWeSXvTEFcQ&oslc.configuration=https%3A%2F%2Femar.energycodes.co.uk%2Fgc%2Fconfiguration%2F13
3	Electricity Data Access Matrix https://emar.energycodes.co.uk/ccm/resource-rmm/2287879?oslc_config.context=https%3A%2F%2Femar.energycodes.co.uk%2Fgc%2Fconfiguration%2F13
4	Electricity Supply Point Number Format https://emar.energycodes.co.uk/rm/web#action=com.ibm.rdm.web.pages.showArtifactPage&artifactURI=https%3A%2F%2Femar.energycodes.co.uk%2Frm%2Fresources%2FWR_aCn0slAoEey_HrZmCCtbkA&componentURI=https%3A%2F%2Femar.energycodes.co.uk%2Frm%2Frm-projects%2F_Xqe2IFBPEeuGWeSXvTEFcQ%2Fcomponents%2F_XwleIFBPEeuGWeSXvTEFcQ&oslc.configuration=https%3A%2F%2Femar.energycodes.co.uk%2Fgc%2Fconfiguration%2F13
5	REC Schedule 29: Address Management https://recportal.co.uk/documents/20121/262884283/Schedule+29+-+Address+Management+V1.0.pdf/395b909d-c3d6-a5c6-6cec-8f18a4913700?t=1657903595337&download=true
6	REC Schedule 28: Related Metering Points https://recportal.co.uk/documents/20121/262884237/Schedule+28+-+Related+Metering+Points+V1.0.pdf/45473d35-4634-7f4a-784a-c5c38dabc59a?t=1657903520211&download=true
7	REC Main Body https://recportal.co.uk/documents/20121/224177961/REC+Main+Body.pdf/9f9f6685-a66b-a0ed-c3a0-22e888e7ff93?t=1659455678411&download=true
8	Ordnance Survey AddressBase Premium Technical Specification https://www.ordnancesurvey.co.uk/documents/product-support/tech-spec/addressbase-premium-technical-specification.pdf

Appendix G: Glossary

API	Application Programming Interface
ABP	AddressBase Premium
CSS	Central Switching Service
DCC	Data Communications Company
DES	Data Enquiry Service
ECOES	Electricity Consolidated Online Enquiry Service
EES	Electricity Enquiry Service
EFD	Effective-From-Date
ETD	Effective-To-Date
GES	Gas Enquiry Service
GSPIId	Grid Supply Point Group ID
IHD	In-Home Display
JSON	JavaScript Object Notation
MPAN	Meter Point Administration Number
MAP	Meter Asset Provider
MHHS	Market-wide Half Hourly Settlement
MPID	Market Participant ID
MPRN	Meter Point Reference Number
MTC	Meter Timeswitch Class
MPxN	MPAN or MPRN
MR	Multiple Residency
NYB	Not Yet Built
OS	Ordnance Survey
PAF	Postcode Address File
Platform	The platform software is responsible for customer profile configuration, authorisation (according to a customer's licence), security and auditing
REC	Retail Energy Code
RECCo	Retail Energy Code Company
REST	Representational State Transfer
RMP	Registerable Meter Point
SMETS	Smart Meter Equipment Technical Specification
SMSO	Smart Metering System Operator
SOAP	Simple Object Access Protocol
SSC	Standard Settlement Configuration
UPRN	Unique Property Reference Number
UR	Utilities Register
XML	Extensible Markup Language

Appendix H: REL Classification Codes

The table below provides a list of all REL classification codes returned in the *Classification* field of the *RelAddresses* array structure.

C	Commercial	C				Commercial			
CA	Agricultural	C	A			Commercial	Agricultural		
CA01	Farm / Non-Residential Associated Building	C	A	1		Commercial	Agricultural	Farm / Non-Residential Associated Building	
CA02	Fishery	C	A	2		Commercial	Agricultural	Fishery	
CA02FF	Fish Farming	C	A	2	FF	Commercial	Agricultural	Fishery	Fish Farming
CA02FH	Fish Hatchery	C	A	2	FH	Commercial	Agricultural	Fishery	Fish Hatchery
CA02FP	Fish Processing	C	A	2	FP	Commercial	Agricultural	Fishery	Fish Processing
CA02OY	Oyster / Mussel Bed	C	A	2	OY	Commercial	Agricultural	Fishery	Oyster / Mussel Bed
CA03	Horticulture	C	A	3		Commercial	Agricultural	Horticulture	
CA03SH	Smallholding	C	A	3	SH	Commercial	Agricultural	Horticulture	Smallholding
CA03VY	Vineyard	C	A	3	VY	Commercial	Agricultural	Horticulture	Vineyard
CA03WB	Watercress Bed	C	A	3	WB	Commercial	Agricultural	Horticulture	Watercress Bed
CA04	Slaughter House / Abattoir	C	A	4		Commercial	Agricultural	Slaughter House / Abattoir	
CB	Ancillary Building	C	B			Commercial	Ancillary Building		
CC	Community Services	C	C			Commercial	Community Services		
CC02	Law Court	C	C	2		Commercial	Community Services	Law Court	
CC03	Prison	C	C	3		Commercial	Community Services	Prison	
CC03HD	HM Detention Centre	C	C	3	HD	Commercial	Community Services	Prison	HM Detention Centre
CC03PR	HM Prison Service	C	C	3	PR	Commercial	Community Services	Prison	HM Prison Service
CC03SC	Secure Residential Accommodation	C	C	3	SC	Commercial	Community Services	Prison	Secure Residential Accommodation
CC04	Public / Village Hall / Other Community Facility	C	C	4		Commercial	Community Services	Public / Village Hall / Other Community Facility	
CC04YR	Youth Recreational / Social Club	C	C	4	YR	Commercial	Community Services	Public / Village Hall / Other Community Facility	Youth Recreational / Social Club
CC05	Public Convenience	C	C	5		Commercial	Community Services	Public Convenience	

CC06	Cemetery / Crematorium / Graveyard. In Current Use.	C	C	6		Commercial	Community Services	Cemetery / Crematorium / Graveyard. In Current Use.	
CC06CB	Columbarium	C	C	6	CB	Commercial	Community Services	Cemetery / Crematorium / Graveyard. In Current Use.	Columbarium
CC06CN	Crematorium	C	C	6	CN	Commercial	Community Services	Cemetery / Crematorium / Graveyard. In Current Use.	Crematorium
CC06CR	Chapel Of Rest	C	C	6	CR	Commercial	Community Services	Cemetery / Crematorium / Graveyard. In Current Use.	Chapel Of Rest
CC06CY	Cemetery	C	C	6	CY	Commercial	Community Services	Cemetery / Crematorium / Graveyard. In Current Use.	Cemetery
CC06MC	Military Cemetery	C	C	6	MC	Commercial	Community Services	Cemetery / Crematorium / Graveyard. In Current Use.	Military Cemetery
CC06MY	Mortuary	C	C	6	MY	Commercial	Community Services	Cemetery / Crematorium / Graveyard. In Current Use.	Mortuary
CC07	Church Hall / Religious Meeting Place / Hall	C	C	7		Commercial	Community Services	Church Hall / Religious Meeting Place / Hall	
CC08	Community Service Centre / Office	C	C	8		Commercial	Community Services	Community Service Centre / Office	
CC09	Public Household Waste Recycling Centre (HWRC)	C	C	9		Commercial	Community Services	Public Household Waste Recycling Centre (HWRC)	
CC10	Recycling Site	C	C	10		Commercial	Community Services	Recycling Site	
CC11	CCTV	C	C	11		Commercial	Community Services	CCTV	
CC12	Job Centre	C	C	12		Commercial	Community Services	Job Centre	
CE	Education	C	E			Commercial	Education		
CE01	College	C	E	1		Commercial	Education	College	
CE01FE	Further Education	C	E	1	FE	Commercial	Education	College	Further Education
CE01HE	Higher Education	C	E	1	HE	Commercial	Education	College	Higher Education
CE02	Children's Nursery / Crèche	C	E	2		Commercial	Education	Children's Nursery / Crèche	
CE03	Preparatory / First / Primary / Infant / Junior / Middle School	C	E	3		Commercial	Education	Preparatory / First / Primary /	

								Infant / Junior / Middle School	
CE03FS	First School	C	E	3	FS	Commercial	Education	Preparatory / First / Primary / Infant / Junior / Middle School	First School
CE03IS	Infant School	C	E	3	IS	Commercial	Education	Preparatory / First / Primary / Infant / Junior / Middle School	Infant School
CE03JS	Junior School	C	E	3	JS	Commercial	Education	Preparatory / First / Primary / Infant / Junior / Middle School	Junior School
CE03MS	Middle School	C	E	3	MS	Commercial	Education	Preparatory / First / Primary / Infant / Junior / Middle School	Middle School
CE03NP	Non State Primary / Preparatory School	C	E	3	NP	Commercial	Education	Preparatory / First / Primary / Infant / Junior / Middle School	Non State Primary / Preparatory School
CE03PS	Primary School	C	E	3	PS	Commercial	Education	Preparatory / First / Primary / Infant / Junior / Middle School	Primary School
CE04	Secondary / High School	C	E	4		Commercial	Education	Secondary / High School	
CE04NS	Non State Secondary School	C	E	4	NS	Commercial	Education	Secondary / High School	Non State Secondary School
CE04SS	Secondary School	C	E	4	SS	Commercial	Education	Secondary / High School	Secondary School
CE05	University	C	E	5		Commercial	Education	University	
CE06	Special Needs Establishment.	C	E	6		Commercial	Education	Special Needs Establishment.	
CE07	Other Educational Establishment	C	E	7		Commercial	Education	Other Educational Establishment	
CH	Hotel / Motel / Boarding / Guest House	C	H			Commercial	Hotel / Motel / Boarding / Guest House		
CH01	Boarding / Guest House / Bed And Breakfast / Youth Hostel	C	H	1		Commercial	Hotel / Motel / Boarding / Guest House	Boarding / Guest House / Bed And Breakfast / Youth Hostel	
CH01YH	Youth Hostel	C	H	1	YH	Commercial	Hotel / Motel / Boarding / Guest House	Boarding / Guest House / Bed And Breakfast / Youth Hostel	Youth Hostel
CH02	Holiday Let/Accommodation/Short-Term Let Other Than CH01	C	H	2		Commercial	Hotel / Motel / Boarding / Guest House	Holiday Let/Accommodation/Short-Term Let Other Than CH01	

CH03	Hotel/Motel	C	H	3		Commercial	Hotel / Motel / Boarding / Guest House	Hotel/Motel	
CI	Industrial Applicable to manufacturing, engineering, maintenance, storage / wholesale distribution and extraction sites	C	I			Commercial	Industrial Applicable to manufacturing, engineering, maintenance, storage / wholesale distribution and extraction sites		
CI01	Factory/Manufacturing	C	I	1		Commercial	Industrial Applicable to manufacturing, engineering, maintenance, storage / wholesale distribution and extraction sites	Factory/Manufacturing	
CI01AW	Aircraft Works	C	I	1	AW	Commercial	Industrial Applicable to manufacturing, engineering, maintenance, storage / wholesale distribution and extraction sites	Factory/Manufacturing	Aircraft Works
CI01BB	Boat Building	C	I	1	BB	Commercial	Industrial Applicable to manufacturing, engineering, maintenance, storage / wholesale distribution and extraction sites	Factory/Manufacturing	Boat Building
CI01BR	Brick Works	C	I	1	BR	Commercial	Industrial Applicable to manufacturing, engineering, maintenance, storage / wholesale distribution and extraction sites	Factory/Manufacturing	Brick Works
CI01BW	Brewery	C	I	1	BW	Commercial	Industrial Applicable to manufacturing, engineering, maintenance, storage / wholesale distribution and extraction sites	Factory/Manufacturing	Brewery
CI01CD	Cider Manufacture	C	I	1	CD	Commercial	Industrial Applicable to manufacturing, engineering, maintenance, storage / wholesale	Factory/Manufacturing	Cider Manufacture

							distribution and extraction sites		
CI01CM	Chemical Works	C	I	1	CM	Commercial	Industrial Applicable to manufacturing, engineering, maintenance, storage / wholesale distribution and extraction sites	Factory/Manufacturing	Chemical Works
CI01CW	Cement Works	C	I	1	CW	Commercial	Industrial Applicable to manufacturing, engineering, maintenance, storage / wholesale distribution and extraction sites	Factory/Manufacturing	Cement Works
CI01DA	Dairy Processing	C	I	1	DA	Commercial	Industrial Applicable to manufacturing, engineering, maintenance, storage / wholesale distribution and extraction sites	Factory/Manufacturing	Dairy Processing
CI01DY	Distillery	C	I	1	DY	Commercial	Industrial Applicable to manufacturing, engineering, maintenance, storage / wholesale distribution and extraction sites	Factory/Manufacturing	Distillery
CI01FL	Flour Mill	C	I	1	FL	Commercial	Industrial Applicable to manufacturing, engineering, maintenance, storage / wholesale distribution and extraction sites	Factory/Manufacturing	Flour Mill
CI01FO	Food Processing	C	I	1	FO	Commercial	Industrial Applicable to manufacturing, engineering, maintenance, storage / wholesale distribution and extraction sites	Factory/Manufacturing	Food Processing
CI01GW	Glassworks	C	I	1	GW	Commercial	Industrial Applicable to manufacturing, engineering, maintenance, storage / wholesale distribution and extraction sites	Factory/Manufacturing	Glassworks

CI01MG	Manufacturing	C	I	1	MG	Commercial	Industrial Applicable to manufacturing, engineering, maintenance, storage / wholesale distribution and extraction sites	Factory/Manufac turing	Manufacturing
CI01OH	Oast House	C	I	1	OH	Commercial	Industrial Applicable to manufacturing, engineering, maintenance, storage / wholesale distribution and extraction sites	Factory/Manufac turing	Oast House
CI01OR	Oil Refining	C	I	1	OR	Commercial	Industrial Applicable to manufacturing, engineering, maintenance, storage / wholesale distribution and extraction sites	Factory/Manufac turing	Oil Refining
CI01PG	Pottery Manufacturing	C	I	1	PG	Commercial	Industrial Applicable to manufacturing, engineering, maintenance, storage / wholesale distribution and extraction sites	Factory/Manufac turing	Pottery Manufacturing
CI01PM	Paper Mill	C	I	1	PM	Commercial	Industrial Applicable to manufacturing, engineering, maintenance, storage / wholesale distribution and extraction sites	Factory/Manufac turing	Paper Mill
CI01PW	Printing Works	C	I	1	PW	Commercial	Industrial Applicable to manufacturing, engineering, maintenance, storage / wholesale distribution and extraction sites	Factory/Manufac turing	Printing Works
CI01SR	Sugar Refinery	C	I	1	SR	Commercial	Industrial Applicable to manufacturing, engineering, maintenance, storage / wholesale distribution and extraction sites	Factory/Manufac turing	Sugar Refinery
CI01SW	Steel Works	C	I	1	SW	Commercial	Industrial Applicable to manufacturing,	Factory/Manufac turing	Steel Works

							engineering, maintenance, storage / wholesale distribution and extraction sites		
CI01TL	Timber Mill	C	I	1	TL	Commercial	Industrial Applicable to manufacturing, engineering, maintenance, storage / wholesale distribution and extraction sites	Factory/Manufac turing	Timber Mill
CI01WN	Winery	C	I	1	WN	Commercial	Industrial Applicable to manufacturing, engineering, maintenance, storage / wholesale distribution and extraction sites	Factory/Manufac turing	Winery
CI01YD	Shipyard	C	I	1	YD	Commercial	Industrial Applicable to manufacturing, engineering, maintenance, storage / wholesale distribution and extraction sites	Factory/Manufac turing	Shipyard
CI02	Mineral / Ore Working / Quarry / Mine	C	I	2		Commercial	Industrial Applicable to manufacturing, engineering, maintenance, storage / wholesale distribution and extraction sites	Mineral / Ore Working / Quarry / Mine	
CI02MA	Mineral Mining / Active	C	I	2	MA	Commercial	Industrial Applicable to manufacturing, engineering, maintenance, storage / wholesale distribution and extraction sites	Mineral / Ore Working / Quarry / Mine	Mineral Mining / Active
CI02MD	Mineral Distribution / Storage	C	I	2	MD	Commercial	Industrial Applicable to manufacturing, engineering, maintenance, storage / wholesale distribution and extraction sites	Mineral / Ore Working / Quarry / Mine	Mineral Distribution / Storage
CI02MP	Mineral Processing	C	I	2	MP	Commercial	Industrial Applicable to manufacturing, engineering, maintenance, storage /	Mineral / Ore Working / Quarry / Mine	Mineral Processing

							wholesale distribution and extraction sites		
CI02OA	Oil / Gas Extraction / Active	C	I	2	OA	Commercial	Industrial Applicable to manufacturing, engineering, maintenance, storage / wholesale distribution and extraction sites	Mineral / Ore Working / Quarry / Mine	Oil / Gas Extraction / Active
CI02QA	Mineral Quarrying / Open Extraction / Active	C	I	2	QA	Commercial	Industrial Applicable to manufacturing, engineering, maintenance, storage / wholesale distribution and extraction sites	Mineral / Ore Working / Quarry / Mine	Mineral Quarrying / Open Extraction / Active
CI03	Workshop / Light Industrial	C	I	3		Commercial	Industrial Applicable to manufacturing, engineering, maintenance, storage / wholesale distribution and extraction sites	Workshop / Light Industrial	
CI03GA	Servicing Garage	C	I	3	GA	Commercial	Industrial Applicable to manufacturing, engineering, maintenance, storage / wholesale distribution and extraction sites	Workshop / Light Industrial	Servicing Garage
CI04	Warehouse / Store / Storage Depot	C	I	4		Commercial	Industrial Applicable to manufacturing, engineering, maintenance, storage / wholesale distribution and extraction sites	Warehouse / Store / Storage Depot	
CI04CS	Crop Handling / Storage	C	I	4	CS	Commercial	Industrial Applicable to manufacturing, engineering, maintenance, storage / wholesale distribution and extraction sites	Warehouse / Store / Storage Depot	Crop Handling / Storage
CI04PL	Postal Sorting / Distribution	C	I	4	PL	Commercial	Industrial Applicable to manufacturing, engineering, maintenance, storage / wholesale	Warehouse / Store / Storage Depot	Postal Sorting / Distribution

							distribution and extraction sites		
CI04SO	Solid Fuel Storage	C	I	4	SO	Commercial	Industrial Applicable to manufacturing, engineering, maintenance, storage / wholesale distribution and extraction sites	Warehouse / Store / Storage Depot	Solid Fuel Storage
CI04TS	Timber Storage	C	I	4	TS	Commercial	Industrial Applicable to manufacturing, engineering, maintenance, storage / wholesale distribution and extraction sites	Warehouse / Store / Storage Depot	Timber Storage
CI05	Wholesale Distribution	C	I	5		Commercial	Industrial Applicable to manufacturing, engineering, maintenance, storage / wholesale distribution and extraction sites	Wholesale Distribution	
CI05SF	Solid Fuel Distribution	C	I	5	SF	Commercial	Industrial Applicable to manufacturing, engineering, maintenance, storage / wholesale distribution and extraction sites	Wholesale Distribution	Solid Fuel Distribution
CI05TD	Timber Distribution	C	I	5	TD	Commercial	Industrial Applicable to manufacturing, engineering, maintenance, storage / wholesale distribution and extraction sites	Wholesale Distribution	Timber Distribution
CI06	Recycling Plant	C	I	6		Commercial	Industrial Applicable to manufacturing, engineering, maintenance, storage / wholesale distribution and extraction sites	Recycling Plant	
CI07	Incinerator / Waste Transfer Station	C	I	7		Commercial	Industrial Applicable to manufacturing, engineering, maintenance, storage / wholesale distribution and extraction sites	Incinerator / Waste Transfer Station	

CI08	Maintenance Depot	C	I	8		Commercial	Industrial Applicable to manufacturing, engineering, maintenance, storage / wholesale distribution and extraction sites	Maintenance Depot	
CL	Leisure - Applicable to recreational sites and enterprises	C	L			Commercial	Leisure - Applicable to recreational sites and enterprises		
CL01	Amusements	C	L	1		Commercial	Leisure - Applicable to recreational sites and enterprises	Amusements	
CL01LP	Leisure Pier	C	L	1	LP	Commercial	Leisure - Applicable to recreational sites and enterprises	Amusements	Leisure Pier
CL02	Holiday / Campsite	C	L	2		Commercial	Leisure - Applicable to recreational sites and enterprises	Holiday / Campsite	
CL02CG	Camping	C	L	2	CG	Commercial	Leisure - Applicable to recreational sites and enterprises	Holiday / Campsite	Camping
CL02CV	Caravanning	C	L	2	CV	Commercial	Leisure - Applicable to recreational sites and enterprises	Holiday / Campsite	Caravanning
CL02HA	Holiday Accommodation	C	L	2	HA	Commercial	Leisure - Applicable to recreational sites and enterprises	Holiday / Campsite	Holiday Accommodation
CL02HO	Holiday Centre	C	L	2	HO	Commercial	Leisure - Applicable to recreational sites and enterprises	Holiday / Campsite	Holiday Centre
CL02YC	Youth Organisation Camp	C	L	2	YC	Commercial	Leisure - Applicable to recreational sites and enterprises	Holiday / Campsite	Youth Organisation Camp
CL03	Library	C	L	3		Commercial	Leisure - Applicable to recreational sites and enterprises	Library	
CL03RR	Reading Room	C	L	3	RR	Commercial	Leisure - Applicable to recreational sites and enterprises	Library	Reading Room
CL04	Museum / Gallery	C	L	4		Commercial	Leisure - Applicable to recreational sites and enterprises	Museum / Gallery	
CL04AC	Art Centre / Gallery	C	L	4	AC	Commercial	Leisure - Applicable to	Museum / Gallery	Art Centre / Gallery

							recreational sites and enterprises		
CL04AM	Aviation Museum	C	L	4	AM	Commercial	Leisure - Applicable to recreational sites and enterprises	Museum / Gallery	Aviation Museum
CL04HG	Heritage Centre	C	L	4	HG	Commercial	Leisure - Applicable to recreational sites and enterprises	Museum / Gallery	Heritage Centre
CL04IM	Industrial Museum	C	L	4	IM	Commercial	Leisure - Applicable to recreational sites and enterprises	Museum / Gallery	Industrial Museum
CL04MM	Military Museum	C	L	4	M M	Commercial	Leisure - Applicable to recreational sites and enterprises	Museum / Gallery	Military Museum
CL04NM	Maritime Museum	C	L	4	NM	Commercial	Leisure - Applicable to recreational sites and enterprises	Museum / Gallery	Maritime Museum
CL04SM	Science Museum	C	L	4	SM	Commercial	Leisure - Applicable to recreational sites and enterprises	Museum / Gallery	Science Museum
CL04TM	Transport Museum	C	L	4	TM	Commercial	Leisure - Applicable to recreational sites and enterprises	Museum / Gallery	Transport Museum
CL06	Indoor / Outdoor Leisure / Sporting Activity / Centre	C	L	6		Commercial	Leisure - Applicable to recreational sites and enterprises	Indoor / Outdoor Leisure / Sporting Activity / Centre	
CL06AH	Athletics Facility	C	L	6	AH	Commercial	Leisure - Applicable to recreational sites and enterprises	Indoor / Outdoor Leisure / Sporting Activity / Centre	Athletics Facility
CL06BF	Bowls Facility	C	L	6	BF	Commercial	Leisure - Applicable to recreational sites and enterprises	Indoor / Outdoor Leisure / Sporting Activity / Centre	Bowls Facility
CL06CK	Cricket Facility	C	L	6	CK	Commercial	Leisure - Applicable to recreational sites and enterprises	Indoor / Outdoor Leisure / Sporting Activity / Centre	Cricket Facility
CL06CU	Curling Facility	C	L	6	CU	Commercial	Leisure - Applicable to recreational sites and enterprises	Indoor / Outdoor Leisure / Sporting Activity / Centre	Curling Facility
CL06DS	Diving / Swimming Facility	C	L	6	DS	Commercial	Leisure - Applicable to recreational sites and enterprises	Indoor / Outdoor Leisure / Sporting Activity / Centre	Diving / Swimming Facility
CL06EQ	Equestrian Sports Facility	C	L	6	EQ	Commercial	Leisure - Applicable to recreational sites and enterprises	Indoor / Outdoor Leisure / Sporting Activity / Centre	Equestrian Sports Facility

CL06FB	Football Facility	C	L	6	FB	Commercial	Leisure - Applicable to recreational sites and enterprises	Indoor / Outdoor Leisure / Sporting Activity / Centre	Football Facility
CL06FI	Fishing / Angling Facility	C	L	6	FI	Commercial	Leisure - Applicable to recreational sites and enterprises	Indoor / Outdoor Leisure / Sporting Activity / Centre	Fishing / Angling Facility
CL06GF	Golf Facility	C	L	6	GF	Commercial	Leisure - Applicable to recreational sites and enterprises	Indoor / Outdoor Leisure / Sporting Activity / Centre	Golf Facility
CL06GL	Gliding Facility	C	L	6	GL	Commercial	Leisure - Applicable to recreational sites and enterprises	Indoor / Outdoor Leisure / Sporting Activity / Centre	Gliding Facility
CL06GR	Greyhound Racing Facility	C	L	6	GR	Commercial	Leisure - Applicable to recreational sites and enterprises	Indoor / Outdoor Leisure / Sporting Activity / Centre	Greyhound Racing Facility
CL06HF	Hockey Facility	C	L	6	HF	Commercial	Leisure - Applicable to recreational sites and enterprises	Indoor / Outdoor Leisure / Sporting Activity / Centre	Hockey Facility
CL06HR	Horse Racing Facility	C	L	6	HR	Commercial	Leisure - Applicable to recreational sites and enterprises	Indoor / Outdoor Leisure / Sporting Activity / Centre	Horse Racing Facility
CL06HV	Historic Vessel / Aircraft / Vehicle	C	L	6	HV	Commercial	Leisure - Applicable to recreational sites and enterprises	Indoor / Outdoor Leisure / Sporting Activity / Centre	Historic Vessel / Aircraft / Vehicle
CL06LS	Activity / Leisure / Sports Centre	C	L	6	LS	Commercial	Leisure - Applicable to recreational sites and enterprises	Indoor / Outdoor Leisure / Sporting Activity / Centre	Activity / Leisure / Sports Centre
CL06ME	Model Sports Facility	C	L	6	ME	Commercial	Leisure - Applicable to recreational sites and enterprises	Indoor / Outdoor Leisure / Sporting Activity / Centre	Model Sports Facility
CL06MF	Motor Sports Facility	C	L	6	MF	Commercial	Leisure - Applicable to recreational sites and enterprises	Indoor / Outdoor Leisure / Sporting Activity / Centre	Motor Sports Facility
CL06PF	Playing Field	C	L	6	PF	Commercial	Leisure - Applicable to recreational sites and enterprises	Indoor / Outdoor Leisure / Sporting Activity / Centre	Playing Field
CL06QS	Racquet Sports Facility	C	L	6	QS	Commercial	Leisure - Applicable to recreational sites and enterprises	Indoor / Outdoor Leisure / Sporting Activity / Centre	Racquet Sports Facility
CL06RF	Rugby Facility	C	L	6	RF	Commercial	Leisure - Applicable to recreational sites and enterprises	Indoor / Outdoor Leisure / Sporting Activity / Centre	Rugby Facility
CL06RG	Recreation Ground	C	L	6	RG	Commercial	Leisure - Applicable to	Indoor / Outdoor Leisure	Recreation Ground

							recreational sites and enterprises	/ Sporting Activity / Centre	
CL06SI	Shinty Facility	C	L	6	SI	Commercial	Leisure - Applicable to recreational sites and enterprises	Indoor / Outdoor Leisure / Sporting Activity / Centre	Shinty Facility
CL06SK	Skateboarding Facility	C	L	6	SK	Commercial	Leisure - Applicable to recreational sites and enterprises	Indoor / Outdoor Leisure / Sporting Activity / Centre	Skateboarding Facility
CL06SX	Civilian Firing Facility	C	L	6	SX	Commercial	Leisure - Applicable to recreational sites and enterprises	Indoor / Outdoor Leisure / Sporting Activity / Centre	Civilian Firing Facility
CL06TB	Tenpin Bowling Facility	C	L	6	TB	Commercial	Leisure - Applicable to recreational sites and enterprises	Indoor / Outdoor Leisure / Sporting Activity / Centre	Tenpin Bowling Facility
CL06TN	Public Tennis Court	C	L	6	TN	Commercial	Leisure - Applicable to recreational sites and enterprises	Indoor / Outdoor Leisure / Sporting Activity / Centre	Public Tennis Court
CL06WA	Water Sports Facility	C	L	6	WA	Commercial	Leisure - Applicable to recreational sites and enterprises	Indoor / Outdoor Leisure / Sporting Activity / Centre	Water Sports Facility
CL06WP	Winter Sports Facility	C	L	6	WP	Commercial	Leisure - Applicable to recreational sites and enterprises	Indoor / Outdoor Leisure / Sporting Activity / Centre	Winter Sports Facility
CL06WY	Wildlife Sports Facility	C	L	6	WY	Commercial	Leisure - Applicable to recreational sites and enterprises	Indoor / Outdoor Leisure / Sporting Activity / Centre	Wildlife Sports Facility
CL06YF	Cycling Sports Facility	C	L	6	YF	Commercial	Leisure - Applicable to recreational sites and enterprises	Indoor / Outdoor Leisure / Sporting Activity / Centre	Cycling Sports Facility
CL07	Bingo Hall / Cinema / Conference / Exhibition Centre / Theatre / Concert Hall	C	L	7		Commercial	Leisure - Applicable to recreational sites and enterprises	Bingo Hall / Cinema / Conference / Exhibition Centre / Theatre / Concert Hall	
CL07CI	Cinema	C	L	7	CI	Commercial	Leisure - Applicable to recreational sites and enterprises	Bingo Hall / Cinema / Conference / Exhibition Centre / Theatre / Concert Hall	Cinema
CL07EN	Entertainment Complex	C	L	7	EN	Commercial	Leisure - Applicable to recreational sites and enterprises	Bingo Hall / Cinema / Conference / Exhibition Centre / Theatre / Concert Hall	Entertainment Complex
CL07EX	Conference / Exhibition Centre	C	L	7	EX	Commercial	Leisure - Applicable to recreational sites and enterprises	Bingo Hall / Cinema / Conference / Exhibition Centre	Conference / Exhibition Centre

								/ Theatre / Concert Hall	
CL07TH	Theatre	C	L	7	TH	Commercial	Leisure - Applicable to recreational sites and enterprises	Bingo Hall / Cinema / Conference / Exhibition Centre / Theatre / Concert Hall	Theatre
CL08	Zoo / Theme Park	C	L	8		Commercial	Leisure - Applicable to recreational sites and enterprises	Zoo / Theme Park	
CL08AK	Amusement Park	C	L	8	AK	Commercial	Leisure - Applicable to recreational sites and enterprises	Zoo / Theme Park	Amusement Park
CL08AQ	Aquatic Attraction	C	L	8	AQ	Commercial	Leisure - Applicable to recreational sites and enterprises	Zoo / Theme Park	Aquatic Attraction
CL08MX	Model Village Site	C	L	8	MX	Commercial	Leisure - Applicable to recreational sites and enterprises	Zoo / Theme Park	Model Village Site
CL08WZ	Wildlife / Zoological Park	C	L	8	WZ	Commercial	Leisure - Applicable to recreational sites and enterprises	Zoo / Theme Park	Wildlife / Zoological Park
CL09	Beach Hut (Recreational, Non- Residential Use Only)	C	L	9		Commercial	Leisure - Applicable to recreational sites and enterprises	Beach Hut (Recreational, Non-Residential Use Only)	
CL10	Licensed Private Members' Club	C	L	1 0		Commercial	Leisure - Applicable to recreational sites and enterprises	Licensed Private Members' Club	
CL10RE	Recreational / Social Club	C	L	1 0	RE	Commercial	Leisure - Applicable to recreational sites and enterprises	Licensed Private Members' Club	Recreational / Social Club
CL11	Arena / Stadium	C	L	1 1		Commercial	Leisure - Applicable to recreational sites and enterprises	Arena / Stadium	
CL11SD	Stadium	C	L	1 1	SD	Commercial	Leisure - Applicable to recreational sites and enterprises	Arena / Stadium	Stadium
CL11SJ	Showground	C	L	1 1	SJ	Commercial	Leisure - Applicable to recreational sites and enterprises	Arena / Stadium	Showground
CM	Medical	C	M			Commercial	Medical		
CM01	Dentist	C	M	1		Commercial	Medical	Dentist	
CM02	General Practice Surgery / Clinic	C	M	2		Commercial	Medical	General Practice Surgery / Clinic	

CM02HC	Health Centre	C	M	2	HC	Commercial	Medical	General Practice Surgery / Clinic	Health Centre
CM02HL	Health Care Services	C	M	2	HL	Commercial	Medical	General Practice Surgery / Clinic	Health Care Services
CM03	Hospital / Hospice	C	M	3		Commercial	Medical	Hospital / Hospice	
CM03HI	Hospice	C	M	3	HI	Commercial	Medical	Hospital / Hospice	Hospice
CM03HP	Hospital	C	M	3	HP	Commercial	Medical	Hospital / Hospice	Hospital
CM04	Medical / Testing / Research Laboratory	C	M	4		Commercial	Medical	Medical / Testing / Research Laboratory	
CM05	Professional Medical Service	C	M	5		Commercial	Medical	Professional Medical Service	
CM05ZS	Assessment / Development Services	C	M	5	ZS	Commercial	Medical	Professional Medical Service	Assessment / Development Services
CN	Animal Centre	C	N			Commercial	Animal Centre		
CN01	Cattery / Kennel	C	N	1		Commercial	Animal Centre	Cattery / Kennel	
CN02	Animal Services	C	N	2		Commercial	Animal Centre	Animal Services	
CN02AX	Animal Quarantining	C	N	2	AX	Commercial	Animal Centre	Animal Services	Animal Quarantining
CN03	Equestrian	C	N	3		Commercial	Animal Centre	Equestrian	
CN03HB	Horse Racing / Breeding Stable	C	N	3	HB	Commercial	Animal Centre	Equestrian	Horse Racing / Breeding Stable
CN03SB	Commercial Stabling / Riding	C	N	3	SB	Commercial	Animal Centre	Equestrian	Commercial Stabling / Riding
CN04	Vet / Animal Medical Treatment	C	N	4		Commercial	Animal Centre	Vet / Animal Medical Treatment	
CN05	Animal / Bird / Marine Sanctuary	C	N	5		Commercial	Animal Centre	Animal / Bird / Marine Sanctuary	
CN05AN	Animal Sanctuary	C	N	5	AN	Commercial	Animal Centre	Animal / Bird / Marine Sanctuary	Animal Sanctuary
CN05MR	Marine Sanctuary	C	N	5	MR	Commercial	Animal Centre	Animal / Bird / Marine Sanctuary	Marine Sanctuary
CO	Office	C	O			Commercial	Office		
CO01	Office / Work Studio	C	O	1		Commercial	Office	Office / Work Studio	
CO01EM	Embassy / High Commission / Consulate	C	O	1	EM	Commercial	Office	Office / Work Studio	Embassy / High Commission / Consulate
CO01FM	Film Studio	C	O	1	FM	Commercial	Office	Office / Work Studio	Film Studio

CO01GV	Central Government Service	C	O	1	GV	Commercial	Office	Office / Work Studio	Central Government Service
CO01LG	Local Government Service	C	O	1	LG	Commercial	Office	Office / Work Studio	Local Government Service
CO02	Broadcasting (TV / Radio)	C	O	2		Commercial	Office	Broadcasting (TV / Radio)	
CR	Retail	C	R			Commercial	Retail		
CR01	Bank / Financial Service	C	R	1		Commercial	Retail	Bank / Financial Service	
CR02	Retail Service Agent	C	R	2		Commercial	Retail	Retail Service Agent	
CR02PO	Post Office	C	R	2	PO	Commercial	Retail	Retail Service Agent	Post Office
CR04	Market (Indoor / Outdoor)	C	R	4		Commercial	Retail	Market (Indoor / Outdoor)	
CR04FK	Fish Market	C	R	4	FK	Commercial	Retail	Market (Indoor / Outdoor)	Fish Market
CR04FV	Fruit / Vegetable Market	C	R	4	FV	Commercial	Retail	Market (Indoor / Outdoor)	Fruit / Vegetable Market
CR04LV	Livestock Market	C	R	4	LV	Commercial	Retail	Market (Indoor / Outdoor)	Livestock Market
CR05	Petrol Filling Station	C	R	5		Commercial	Retail	Petrol Filling Station	
CR06	Public House / Bar / Nightclub	C	R	6		Commercial	Retail	Public House / Bar / Nightclub	
CR07	Restaurant / Cafeteria	C	R	7		Commercial	Retail	Restaurant / Cafeteria	
CR08	Shop / Showroom	C	R	8		Commercial	Retail	Shop / Showroom	
CR08GC	Garden Centre	C	R	8	GC	Commercial	Retail	Shop / Showroom	Garden Centre
CR09	Other Licensed Premise / Vendor	C	R	9		Commercial	Retail	Other Licensed Premise / Vendor	
CR10	Fast Food Outlet / Takeaway (Hot / Cold)	C	R	10		Commercial	Retail	Fast Food Outlet / Takeaway (Hot / Cold)	
CR11	Automated Teller Machine (ATM)	C	R	11		Commercial	Retail	Automated Teller Machine (ATM)	
CS	Storage Land	C	S			Commercial	Storage Land		
CS01	General Storage Land	C	S	1		Commercial	Storage Land	General Storage Land	
CS02	Builders' Yard	C	S	2		Commercial	Storage Land	Builders' Yard	
CT	Transport	C	T			Commercial	Transport		
CT01	Airfield / Airstrip / Airport / Air Transport Infrastructure Facility	C	T	1		Commercial	Transport	Airfield / Airstrip / Airport / Air Transport	

								Infrastructure Facility	
CT01AF	Airfield	C	T	1	AF	Commercial	Transport	Airfield / Airstrip / Airport / Air Transport Infrastructure Facility	Airfield
CT01AI	Air Transport Infrastructure Services	C	T	1	AI	Commercial	Transport	Airfield / Airstrip / Airport / Air Transport Infrastructure Facility	Air Transport Infrastructure Services
CT01AP	Airport	C	T	1	AP	Commercial	Transport	Airfield / Airstrip / Airport / Air Transport Infrastructure Facility	Airport
CT01AY	Air Passenger Terminal	C	T	1	AY	Commercial	Transport	Airfield / Airstrip / Airport / Air Transport Infrastructure Facility	Air Passenger Terminal
CT01HS	Helicopter Station	C	T	1	HS	Commercial	Transport	Airfield / Airstrip / Airport / Air Transport Infrastructure Facility	Helicopter Station
CT01HT	Heliport / Helipad	C	T	1	HT	Commercial	Transport	Airfield / Airstrip / Airport / Air Transport Infrastructure Facility	Heliport / Helipad
CT02	Bus Shelter	C	T	2		Commercial	Transport	Bus Shelter	
CT03	Car / Coach / Commercial Vehicle / Taxi Parking / Park And Ride Site	C	T	3		Commercial	Transport	Car / Coach / Commercial Vehicle / Taxi Parking / Park And Ride Site	
CT03PK	Public Park And Ride	C	T	3	PK	Commercial	Transport	Car / Coach / Commercial Vehicle / Taxi Parking / Park And Ride Site	Public Park And Ride
CT03PP	Public Car Parking	C	T	3	PP	Commercial	Transport	Car / Coach / Commercial Vehicle / Taxi Parking / Park And Ride Site	Public Car Parking
CT03PU	Public Coach Parking	C	T	3	PU	Commercial	Transport	Car / Coach / Commercial Vehicle / Taxi Parking / Park And Ride Site	Public Coach Parking
CT03VP	Public Commercial Vehicle Parking	C	T	3	VP	Commercial	Transport	Car / Coach / Commercial Vehicle / Taxi Parking / Park And Ride Site	Public Commercial Vehicle Parking

CT04	Goods Freight Handling / Terminal	C	T	4		Commercial	Transport	Goods Freight Handling / Terminal	
CT04AE	Air Freight Terminal	C	T	4	AE	Commercial	Transport	Goods Freight Handling / Terminal	Air Freight Terminal
CT04CF	Container Freight	C	T	4	CF	Commercial	Transport	Goods Freight Handling / Terminal	Container Freight
CT04RH	Road Freight Transport	C	T	4	RH	Commercial	Transport	Goods Freight Handling / Terminal	Road Freight Transport
CT04RT	Rail Freight Transport	C	T	4	RT	Commercial	Transport	Goods Freight Handling / Terminal	Rail Freight Transport
CT05	Marina	C	T	5		Commercial	Transport	Marina	
CT06	Mooring	C	T	6		Commercial	Transport	Mooring	
CT07	Railway Asset	C	T	7		Commercial	Transport	Railway Asset	
CT08	Station / Interchange / Terminal / Halt	C	T	8		Commercial	Transport	Station / Interchange / Terminal / Halt	
CT08BC	Bus / Coach Station	C	T	8	BC	Commercial	Transport	Station / Interchange / Terminal / Halt	Bus / Coach Station
CT08RS	Railway Station	C	T	8	RS	Commercial	Transport	Station / Interchange / Terminal / Halt	Railway Station
CT08VH	Vehicular Rail Terminal	C	T	8	VH	Commercial	Transport	Station / Interchange / Terminal / Halt	Vehicular Rail Terminal
CT09	Transport Track / Way	C	T	9		Commercial	Transport	Transport Track / Way	
CT09CL	Cliff Railway	C	T	9	CL	Commercial	Transport	Transport Track / Way	Cliff Railway
CT09CX	Chair Lift / Cable Car / Ski Tow	C	T	9	CX	Commercial	Transport	Transport Track / Way	Chair Lift / Cable Car / Ski Tow
CT09MO	Monorail	C	T	9	MO	Commercial	Transport	Transport Track / Way	Monorail
CT10	Vehicle Storage	C	T	10		Commercial	Transport	Vehicle Storage	
CT10BG	Boat Storage	C	T	10	BG	Commercial	Transport	Vehicle Storage	Boat Storage
CT10BU	Bus / Coach Depot	C	T	10	BU	Commercial	Transport	Vehicle Storage	Bus / Coach Depot
CT11	Transport Related Infrastructure	C	T	11		Commercial	Transport	Transport Related Infrastructure	
CT11AD	Aqueduct	C	T	11	AD	Commercial	Transport	Transport Related Infrastructure	Aqueduct
CT11LK	Lock	C	T	11	LK	Commercial	Transport	Transport Related Infrastructure	Lock

CT11WE	Weir	C	T	1 1	WE	Commercial	Transport	Transport Related Infrastructure	Weir
CT11WG	Weighbridge / Load Gauge	C	T	1 1	WG	Commercial	Transport	Transport Related Infrastructure	Weighbridge / Load Gauge
CT12	Overnight Lorry Park	C	T	1 2		Commercial	Transport	Overnight Lorry Park	
CT13	Harbour / Port / Dock / Dockyard / Slipway / Landing Stage / Pier / Jetty / Pontoon / Terminal / Berthing / Quay	C	T	1 3		Commercial	Transport	Harbour / Port / Dock / Dockyard / Slipway / Landing Stage / Pier / Jetty / Pontoon / Terminal / Berthing / Quay	
CT13FR	Passenger Ferry Terminal	C	T	1 3	FR	Commercial	Transport	Harbour / Port / Dock / Dockyard / Slipway / Landing Stage / Pier / Jetty / Pontoon / Terminal / Berthing / Quay	Passenger Ferry Terminal
CT13NB	Non-Tanker Nautical Berthing	C	T	1 3	NB	Commercial	Transport	Harbour / Port / Dock / Dockyard / Slipway / Landing Stage / Pier / Jetty / Pontoon / Terminal / Berthing / Quay	Non-Tanker Nautical Berthing
CT13NF	Nautical Refuelling Facility	C	T	1 3	NF	Commercial	Transport	Harbour / Port / Dock / Dockyard / Slipway / Landing Stage / Pier / Jetty / Pontoon / Terminal / Berthing / Quay	Nautical Refuelling Facility
CT13SA	Slipway	C	T	1 3	SA	Commercial	Transport	Harbour / Port / Dock / Dockyard / Slipway / Landing Stage / Pier / Jetty / Pontoon / Terminal / Berthing / Quay	Slipway
CT13SP	Ship Passenger Terminal	C	T	1 3	SP	Commercial	Transport	Harbour / Port / Dock / Dockyard / Slipway / Landing Stage / Pier / Jetty / Pontoon / Terminal / Berthing / Quay	Ship Passenger Terminal
CT13TK	Tanker Berthing	C	T	1 3	TK	Commercial	Transport	Harbour / Port / Dock / Dockyard / Slipway / Landing Stage / Pier / Jetty / Pontoon /	Tanker Berthing

								Terminal / Berthing / Quay	
CT13VF	Vehicular Ferry Terminal	C	T	1 3	VF	Commercial	Transport	Harbour / Port / Dock / Dockyard / Slipway / Landing Stage / Pier / Jetty / Pontoon / Terminal / Berthing / Quay	Vehicular Ferry Terminal
CU	Utility	C	U			Commercial	Utility		
CU01	Electricity Sub-Station	C	U	1		Commercial	Utility	Electricity Sub- Station	
CU02	Landfill	C	U	2		Commercial	Utility	Landfill	
CU03	Power Station / Energy Production	C	U	3		Commercial	Utility	Power Station / Energy Production	
CU03ED	Electricity Distribution Facility	C	U	3	ED	Commercial	Utility	Power Station / Energy Production	Electricity Distribution Facility
CU03EP	Electricity Production Facility	C	U	3	EP	Commercial	Utility	Power Station / Energy Production	Electricity Production Facility
CU03WF	Wind Farm	C	U	3	WF	Commercial	Utility	Power Station / Energy Production	Wind Farm
CU03W U	Wind Turbine	C	U	3	WU	Commercial	Utility	Power Station / Energy Production	Wind Turbine
CU04	Pump House / Pumping Station / Water Tower	C	U	4		Commercial	Utility	Pump House / Pumping Station / Water Tower	
CU04WC	Water Controlling / Pumping	C	U	4	WC	Commercial	Utility	Pump House / Pumping Station / Water Tower	Water Controlling / Pumping
CU04W D	Water Distribution / Pumping	C	U	4	WD	Commercial	Utility	Pump House / Pumping Station / Water Tower	Water Distribution / Pumping
CU04W M	Water Quality Monitoring	C	U	4	W M	Commercial	Utility	Pump House / Pumping Station / Water Tower	Water Quality Monitoring
CU04WS	Water Storage	C	U	4	WS	Commercial	Utility	Pump House / Pumping Station / Water Tower	Water Storage
CU04W W	Waste Water Distribution / Pumping	C	U	4	W W	Commercial	Utility	Pump House / Pumping Station / Water Tower	Waste Water Distribution / Pumping
CU06	Telecommunication	C	U	6		Commercial	Utility	Telecommunicati on	
CU06TE	Telecommunications Mast	C	U	6	TE	Commercial	Utility	Telecommunicati on	Telecommunicati ons Mast
CU06TX	Telephone Exchange	C	U	6	TX	Commercial	Utility	Telecommunicati on	Telephone Exchange

CU07	Water / Waste Water / Sewage Treatment Works	C	U	7		Commercial	Utility	Water / Waste Water / Sewage Treatment Works	
CU07WR	Waste Water Treatment	C	U	7	WR	Commercial	Utility	Water / Waste Water / Sewage Treatment Works	Waste Water Treatment
CU07WT	Water Treatment	C	U	7	WT	Commercial	Utility	Water / Waste Water / Sewage Treatment Works	Water Treatment
CU08	Gas / Oil Storage / Distribution	C	U	8		Commercial	Utility	Gas / Oil Storage / Distribution	
CU08GG	Gas Governor	C	U	8	GG	Commercial	Utility	Gas / Oil Storage / Distribution	Gas Governor
CU08GH	Gas Holder	C	U	8	GH	Commercial	Utility	Gas / Oil Storage / Distribution	Gas Holder
CU08OT	Oil Terminal	C	U	8	OT	Commercial	Utility	Gas / Oil Storage / Distribution	Oil Terminal
CU09	Other Utility Use	C	U	9		Commercial	Utility	Other Utility Use	
CU09CQ	Cable Terminal Station	C	U	9	CQ	Commercial	Utility	Other Utility Use	Cable Terminal Station
CU09OV	Observatory	C	U	9	OV	Commercial	Utility	Other Utility Use	Observatory
CU09RA	Radar Station	C	U	9	RA	Commercial	Utility	Other Utility Use	Radar Station
CU09SE	Satellite Earth Station	C	U	9	SE	Commercial	Utility	Other Utility Use	Satellite Earth Station
CU10	Waste Management	C	U	10		Commercial	Utility	Waste Management	
CU11	Telephone Box	C	U	11		Commercial	Utility	Telephone Box	
CU11OP	Other Public Telephones	C	U	11	OP	Commercial	Utility	Telephone Box	Other Public Telephones
CU12	Dam	C	U	12		Commercial	Utility	Dam	
CX	Emergency / Rescue Service	C	X			Commercial	Emergency / Rescue Service		
CX01	Police / Transport Police / Station	C	X	1		Commercial	Emergency / Rescue Service	Police / Transport Police / Station	
CX01PT	Police Training	C	X	1	PT	Commercial	Emergency / Rescue Service	Police / Transport Police / Station	Police Training
CX02	Fire Station	C	X	2		Commercial	Emergency / Rescue Service	Fire Station	
CX02FT	Fire Service Training	C	X	2	FT	Commercial	Emergency / Rescue Service	Fire Station	Fire Service Training
CX03	Ambulance Station	C	X	3		Commercial	Emergency / Rescue Service	Ambulance Station	
CX03AA	Air Sea Rescue / Air Ambulance	C	X	3	AA	Commercial	Emergency / Rescue Service	Ambulance Station	Air Sea Rescue / Air Ambulance

CX04	Lifeboat Services / Station	C	X	4		Commercial	Emergency / Rescue Service	Lifeboat Services / Station	
CX05	Coastguard Rescue / Lookout / Station	C	X	5		Commercial	Emergency / Rescue Service	Coastguard Rescue / Lookout / Station	
CX06	Mountain Rescue Station	C	X	6		Commercial	Emergency / Rescue Service	Mountain Rescue Station	
CX07	Lighthouse	C	X	7		Commercial	Emergency / Rescue Service	Lighthouse	
CX08	Police Box / Kiosk	C	X	8		Commercial	Emergency / Rescue Service	Police Box / Kiosk	
CZ	Information	C	Z			Commercial	Information		
CZ01	Advertising Hoarding	C	Z	1		Commercial	Information	Advertising Hoarding	
CZ02	Tourist Information Signage	C	Z	2		Commercial	Information	Tourist Information Signage	
CZ02VI	Visitor Information	C	Z	2	VI	Commercial	Information	Tourist Information Signage	Visitor Information
CZ03	Traffic Information Signage	C	Z	3		Commercial	Information	Traffic Information Signage	
L	Land	L				Land			
LA	Agricultural - Applicable to land in farm ownership and not run as a separate business enterprise	L	A			Land	Agricultural - Applicable to land in farm ownership and not run as a separate business enterprise		
LA01	Grazing Land	L	A	1		Land	Agricultural - Applicable to land in farm ownership and not run as a separate business enterprise	Grazing Land	
LA02	Permanent Crop / Crop Rotation	L	A	2		Land	Agricultural - Applicable to land in farm ownership and not run as a separate business enterprise	Permanent Crop / Crop Rotation	
LA02OC	Orchard	L	A	2	OC	Land	Agricultural - Applicable to land in farm ownership and not run as a separate business enterprise	Permanent Crop / Crop Rotation	Orchard

LB	Ancillary Building	L	B			Land	Ancillary Building		
LB99AV	Aviary / Dovecot / Cage	L	B	9 9	AV	Land	Ancillary Building		Aviary / Dovecot / Cage
LB99BD	Bandstand	L	B	9 9	BD	Land	Ancillary Building		Bandstand
LB99PI	Pavilion / Changing Room	L	B	9 9	PI	Land	Ancillary Building		Pavilion / Changing Room
LB99SV	Sports Viewing Structure	L	B	9 9	SV	Land	Ancillary Building		Sports Viewing Structure
LC	Burial Ground	L	C			Land	Burial Ground		
LC01	Historic / Disused Cemetery / Graveyard	L	C	1		Land	Burial Ground	Historic / Disused Cemetery / Graveyard	
LD	Development	L	D			Land	Development		
LD01	Development Site	L	D	1		Land	Development	Development Site	
LD01CC	Commercial Construction Site	L	D	1	CC	Land	Development	Development Site	Commercial Construction Site
LD01CO	Community Construction Site	L	D	1	CO	Land	Development	Development Site	Community Construction Site
LD01RN	Residential Construction Site	L	D	1	RN	Land	Development	Development Site	Residential Construction Site
LD01TC	Transport Construction Site	L	D	1	TC	Land	Development	Development Site	Transport Construction Site
LF	Forestry	L	F			Land	Forestry		
LF02	Forest / Arboretum / Pinetum (Managed / Unmanaged)	L	F	2		Land	Forestry	Forest / Arboretum / Pinetum (Managed / Unmanaged)	
LF02AU	Arboretum	L	F	2	AU	Land	Forestry	Forest / Arboretum / Pinetum (Managed / Unmanaged)	Arboretum
LF03	Woodland	L	F	3		Land	Forestry	Woodland	
LL	Allotment	L	L			Land	Allotment		
LM	Amenity - Open areas not attracting visitors	L	M			Land	Amenity - Open areas not attracting visitors		
LM01	Landscaped Roundabout	L	M	1		Land	Amenity - Open areas not attracting visitors	Landscaped Roundabout	
LM02	Verge / Central Reservation	L	M	2		Land	Amenity - Open areas not	Verge / Central Reservation	

							attracting visitors		
LM02NV	Natural Central Reservation	L	M	2	NV	Land	Amenity - Open areas not attracting visitors	Verge / Central Reservation	Natural Central Reservation
LM02VE	Natural Verge	L	M	2	VE	Land	Amenity - Open areas not attracting visitors	Verge / Central Reservation	Natural Verge
LM03	Maintained Amenity Land	L	M	3		Land	Amenity - Open areas not attracting visitors	Maintained Amenity Land	
LM04	Maintained Surfaced Area	L	M	4		Land	Amenity - Open areas not attracting visitors	Maintained Surfaced Area	
LM04MV	Made Central Reservation	L	M	4	MV	Land	Amenity - Open areas not attracting visitors	Maintained Surfaced Area	Made Central Reservation
LM04PV	Pavement	L	M	4	PV	Land	Amenity - Open areas not attracting visitors	Maintained Surfaced Area	Pavement
LO	Open Space	L	O			Land	Open Space		
LO01	Heath / Moorland	L	O	1		Land	Open Space	Heath / Moorland	
LP	Park	L	P			Land	Park		
LP01	Public Park / Garden	L	P	1		Land	Park	Public Park / Garden	
LP02	Public Open Space / Nature Reserve	L	P	2		Land	Park	Public Open Space / Nature Reserve	
LP03	Playground	L	P	3		Land	Park	Playground	
LP03PA	Play Area	L	P	3	PA	Land	Park	Playground	Play Area
LP03PD	Paddling Pool	L	P	3	PD	Land	Park	Playground	Paddling Pool
LP04	Private Park / Garden	L	P	4		Land	Park	Private Park / Garden	
LU	Unused Land	L	U			Land	Unused Land		
LU01	Vacant / Derelict Land	L	U	1		Land	Unused Land	Vacant / Derelict Land	
LW	Water	L	W			Land	Water		
LW01	Lake / Reservoir	L	W	1		Land	Water	Lake / Reservoir	
LW01BP	Balancing Pond	L	W	1	BP	Land	Water	Lake / Reservoir	Balancing Pond
LW01BV	Buried Reservoir	L	W	1	BV	Land	Water	Lake / Reservoir	Buried Reservoir
LW02	Named Pond	L	W	2		Land	Water	Named Pond	
LW02DE	Dew Pond	L	W	2	DE	Land	Water	Named Pond	Dew Pond
LW02DP	Decoy Pond	L	W	2	DP	Land	Water	Named Pond	Decoy Pond

LW02IW	Static Water	L	W	2	IW	Land	Water	Named Pond	Static Water
LW03	Waterway	L	W	3		Land	Water	Waterway	
LW03DR	Drain	L	W	3	DR	Land	Water	Waterway	Drain
LW03LR	Leats / Races	L	W	3	LR	Land	Water	Waterway	Leats / Races
M	Military	M				Military			
MA	Army	M	A			Military	Army		
MA99AG	Army Military Storage	M	A	9 9	AG	Military	Army		Army Military Storage
MA99AR	Army Military Range	M	A	9 9	AR	Military	Army		Army Military Range
MA99AS	Army Site	M	A	9 9	AS	Military	Army		Army Site
MA99AT	Army Military Training	M	A	9 9	AT	Military	Army		Army Military Training
MB	Ancillary Building	M	B			Military	Ancillary Building		
MB99TG	Military Target	M	B	9 9	TG	Military	Ancillary Building		Military Target
MF	Air Force	M	F			Military	Air Force		
MF99UG	Air Force Military Storage	M	F	9 9	UG	Military	Air Force		Air Force Military Storage
MF99UR	Air Force Military Range	M	F	9 9	UR	Military	Air Force		Air Force Military Range
MF99US	Air Force Site	M	F	9 9	US	Military	Air Force		Air Force Site
MF99UT	Air Force Military Training	M	F	9 9	UT	Military	Air Force		Air Force Military Training
MG	Defence Estates	M	G			Military	Defence Estates		
MN	Navy	M	N			Military	Navy		
MN99VG	Naval Military Storage	M	N	9 9	VG	Military	Navy		Naval Military Storage
MN99VR	Naval Military Range	M	N	9 9	VR	Military	Navy		Naval Military Range
MN99VS	Naval Site	M	N	9 9	VS	Military	Navy		Naval Site
MN99VT	Naval Military Training	M	N	9 9	VT	Military	Navy		Naval Military Training
O	Other (Ordnance Survey Only)	O				Other (Ordnance Survey Only)			
OA	Aid To Navigation	O	A			Other (Ordnance Survey Only)	Aid To Navigation		
OA01	Aid To Aeronautical Navigation	O	A	1		Other (Ordnance Survey Only)	Aid To Navigation	Aid To Aeronautical Navigation	
OA01AL	Aeronautical Navigation Beacon / Light	O	A	1	AL	Other (Ordnance Survey Only)	Aid To Navigation	Aid To Aeronautical Navigation	Aeronautical Navigation Beacon / Light

OA01LL	Landing Light	O	A	1	LL	Other (Ordnance Survey Only)	Aid To Navigation	Aid To Aeronautical Navigation	Landing Light
OA01SQ	Signal Square	O	A	1	SQ	Other (Ordnance Survey Only)	Aid To Navigation	Aid To Aeronautical Navigation	Signal Square
OA01WK	Wind Sock / Wind Tee	O	A	1	WK	Other (Ordnance Survey Only)	Aid To Navigation	Aid To Aeronautical Navigation	Wind Sock / Wind Tee
OA02	Aid To Nautical Navigation	O	A	2		Other (Ordnance Survey Only)	Aid To Navigation	Aid To Nautical Navigation	
OA02DM	Daymark	O	A	2	DM	Other (Ordnance Survey Only)	Aid To Navigation	Aid To Nautical Navigation	Daymark
OA02FG	Fog Horn Warning	O	A	2	FG	Other (Ordnance Survey Only)	Aid To Navigation	Aid To Nautical Navigation	Fog Horn Warning
OA02NL	Nautical Navigation Beacon / Light	O	A	2	NL	Other (Ordnance Survey Only)	Aid To Navigation	Aid To Nautical Navigation	Nautical Navigation Beacon / Light
OA03	Aid To Road Navigation	O	A	3		Other (Ordnance Survey Only)	Aid To Navigation	Aid To Road Navigation	
OA03GP	Guide Post	O	A	3	GP	Other (Ordnance Survey Only)	Aid To Navigation	Aid To Road Navigation	Guide Post
OC	Coastal Protection / Flood Prevention	O	C			Other (Ordnance Survey Only)	Coastal Protection / Flood Prevention		
OC01	Boulder Wall / Sea Wall	O	C	1		Other (Ordnance Survey Only)	Coastal Protection / Flood Prevention	Boulder Wall / Sea Wall	
OC02	Flood Gate / Flood Sluice Gate / Flood Valve	O	C	2		Other (Ordnance Survey Only)	Coastal Protection / Flood Prevention	Flood Gate / Flood Sluice Gate / Flood Valve	
OC03	Groyne	O	C	3		Other (Ordnance Survey Only)	Coastal Protection / Flood Prevention	Groyne	
OC04	Rip-Rap	O	C	4		Other (Ordnance Survey Only)	Coastal Protection / Flood Prevention	Rip-Rap	
OE	Emergency Support	O	E			Other (Ordnance Survey Only)	Emergency Support		
OE01	Beach Office / First Aid Facility	O	E	1		Other (Ordnance Survey Only)	Emergency Support	Beach Office / First Aid Facility	
OE02	Emergency Telephone (Non Motorway)	O	E	2		Other (Ordnance Survey Only)	Emergency Support	Emergency Telephone (Non Motorway)	
OE03	Fire Alarm Structure / Fire Observation Tower / Fire Beater Facility	O	E	3		Other (Ordnance Survey Only)	Emergency Support	Fire Alarm Structure / Fire Observation Tower / Fire Beater Facility	
OE04	Emergency Equipment Point / Emergency Siren / Warning Flag	O	E	4		Other (Ordnance Survey Only)	Emergency Support	Emergency Equipment Point / Emergency Siren / Warning Flag	

OE05	Lifeguard Facility	O	E	5		Other (Ordnance Survey Only)	Emergency Support	Lifeguard Facility	
OE06	Life / Belt / Buoy / Float / Jacket / Safety Rope	O	E	6		Other (Ordnance Survey Only)	Emergency Support	Life / Belt / Buoy / Float / Jacket / Safety Rope	
OF	Street Furniture	O	F			Other (Ordnance Survey Only)	Street Furniture		
OG	Agricultural Support Objects	O	G			Other (Ordnance Survey Only)	Agricultural Support Objects		
OG01	Fish Ladder / Lock / Pen / Trap	O	G	1		Other (Ordnance Survey Only)	Agricultural Support Objects	Fish Ladder / Lock / Pen / Trap	
OG02	Livestock Pen / Dip	O	G	2		Other (Ordnance Survey Only)	Agricultural Support Objects	Livestock Pen / Dip	
OG03	Curriek	O	G	3		Other (Ordnance Survey Only)	Agricultural Support Objects	Curriek	
OG04	Slurry Bed / Pit	O	G	4		Other (Ordnance Survey Only)	Agricultural Support Objects	Slurry Bed / Pit	
OH	Historical Site / Object	O	H			Other (Ordnance Survey Only)	Historical Site / Object		
OH01	Historic Structure / Object	O	H	1		Other (Ordnance Survey Only)	Historical Site / Object	Historic Structure / Object	
OI	Industrial Support	O	I			Other (Ordnance Survey Only)	Industrial Support		
OI01	Adit / Incline / Level	O	I	1		Other (Ordnance Survey Only)	Industrial Support	Adit / Incline / Level	
OI02	Caisson / Dry Dock / Grid	O	I	2		Other (Ordnance Survey Only)	Industrial Support	Caisson / Dry Dock / Grid	
OI03	Channel / Conveyor / Conduit / Pipe	O	I	3		Other (Ordnance Survey Only)	Industrial Support	Channel / Conveyor / Conduit / Pipe	
OI04	Chimney / Flue	O	I	4		Other (Ordnance Survey Only)	Industrial Support	Chimney / Flue	
OI05	Crane / Hoist / Winch / Material Elevator	O	I	5		Other (Ordnance Survey Only)	Industrial Support	Crane / Hoist / Winch / Material Elevator	
OI06	Flare Stack	O	I	6		Other (Ordnance Survey Only)	Industrial Support	Flare Stack	
OI07	Hopper / Silo / Cistern / Tank	O	I	7		Other (Ordnance Survey Only)	Industrial Support	Hopper / Silo / Cistern / Tank	
OI08	Grab / Skip / Other Industrial Waste Machinery / Discharging	O	I	8		Other (Ordnance Survey Only)	Industrial Support	Grab / Skip / Other Industrial Waste Machinery / Discharging	
OI09	Kiln / Oven / Smelter	O	I	9		Other (Ordnance Survey Only)	Industrial Support	Kiln / Oven / Smelter	
OI10	Manhole / Shaft	O	I	10		Other (Ordnance Survey Only)	Industrial Support	Manhole / Shaft	
OI11	Industrial Overflow / Sluice / Valve / Valve Housing	O	I	11		Other (Ordnance Survey Only)	Industrial Support	Industrial Overflow / Sluice / Valve / Valve Housing	

OI12	Cooling Tower	O	I	1 2		Other (Ordnance Survey Only)	Industrial Support	Cooling Tower	
OI13	Solar Panel / Waterwheel	O	I	1 3		Other (Ordnance Survey Only)	Industrial Support	Solar Panel / Waterwheel	
OI14	Telephone Pole / Post	O	I	1 4		Other (Ordnance Survey Only)	Industrial Support	Telephone Pole / Post	
OI15	Electricity Distribution Pole / Pylon	O	I	1 5		Other (Ordnance Survey Only)	Industrial Support	Electricity Distribution Pole / Pylon	
ON	Significant Natural Object	O	N			Other (Ordnance Survey Only)	Significant Natural Object		
ON01	Boundary / Significant / Historic Tree / Pollard	O	N	1		Other (Ordnance Survey Only)	Significant Natural Object	Boundary / Significant / Historic Tree / Pollard	
ON02	Boundary / Significant Rock / Boulder	O	N	2		Other (Ordnance Survey Only)	Significant Natural Object	Boundary / Significant Rock / Boulder	
ON03	Natural Hole (Blow / Shake / Swallow)	O	N	3		Other (Ordnance Survey Only)	Significant Natural Object	Natural Hole (Blow / Shake / Swallow)	
OO	Ornamental / Cultural Object	O	O			Other (Ordnance Survey Only)	Ornamental / Cultural Object		
OO02	Mausoleum / Tomb / Grave	O	O	2		Other (Ordnance Survey Only)	Ornamental / Cultural Object	Mausoleum / Tomb / Grave	
OO03	Simple Ornamental Object	O	O	3		Other (Ordnance Survey Only)	Ornamental / Cultural Object	Simple Ornamental Object	
OO04	Maze	O	O	4		Other (Ordnance Survey Only)	Ornamental / Cultural Object	Maze	
OP	Sport / Leisure Support	O	P			Other (Ordnance Survey Only)	Sport / Leisure Support		
OP01	Butt / Hide	O	P	1		Other (Ordnance Survey Only)	Sport / Leisure Support	Butt / Hide	
OP02	Gallop / Ride	O	P	2		Other (Ordnance Survey Only)	Sport / Leisure Support	Gallop / Ride	
OP03	Miniature Railway	O	P	3		Other (Ordnance Survey Only)	Sport / Leisure Support	Miniature Railway	
OR	Royal Mail Infrastructure	O	R			Other (Ordnance Survey Only)	Royal Mail Infrastructure		
OR01	Postal Box	O	R	1		Other (Ordnance Survey Only)	Royal Mail Infrastructure	Postal Box	
OR02	Postal Delivery Box / Pouch	O	R	2		Other (Ordnance Survey Only)	Royal Mail Infrastructure	Postal Delivery Box / Pouch	
OR03	PO Box	O	R	3		Other (Ordnance Survey Only)	Royal Mail Infrastructure	PO Box	
OR04	Additional Mail / Packet Addressee	O	R	4		Other (Ordnance Survey Only)	Royal Mail Infrastructure	Additional Mail / Packet Addressee	
OS	Scientific / Observation Support	O	S			Other (Ordnance Survey Only)	Scientific / Observation Support		

OS01	Meteorological Station / Equipment	O	S	1		Other (Ordnance Survey Only)	Scientific / Observation Support	Meteorological Station / Equipment	
OS02	Radar / Satellite Infrastructure	O	S	2		Other (Ordnance Survey Only)	Scientific / Observation Support	Radar / Satellite Infrastructure	
OS03	Telescope / Observation Infrastructure / Astronomy	O	S	3		Other (Ordnance Survey Only)	Scientific / Observation Support	Telescope / Observation Infrastructure / Astronomy	
OT	Transport Support	O	T			Other (Ordnance Survey Only)	Transport Support		
OT01	Cattle Grid / Ford	O	T	1		Other (Ordnance Survey Only)	Transport Support	Cattle Grid / Ford	
OT02	Elevator / Escalator / Steps	O	T	2		Other (Ordnance Survey Only)	Transport Support	Elevator / Escalator / Steps	
OT03	Footbridge / Walkway	O	T	3		Other (Ordnance Survey Only)	Transport Support	Footbridge / Walkway	
OT04	Pole / Post / Bollard (Restricting Vehicular Access)	O	T	4		Other (Ordnance Survey Only)	Transport Support	Pole / Post / Bollard (Restricting Vehicular Access)	
OT05	Subway / Underpass	O	T	5		Other (Ordnance Survey Only)	Transport Support	Subway / Underpass	
OT06	Customs Inspection Facility	O	T	6		Other (Ordnance Survey Only)	Transport Support	Customs Inspection Facility	
OT07	Lay-By	O	T	7		Other (Ordnance Survey Only)	Transport Support	Lay-By	
OT08	Level Crossing	O	T	8		Other (Ordnance Survey Only)	Transport Support	Level Crossing	
OT09	Mail Pick Up	O	T	9		Other (Ordnance Survey Only)	Transport Support	Mail Pick Up	
OT10	Railway Pedestrian Crossing	O	T	10		Other (Ordnance Survey Only)	Transport Support	Railway Pedestrian Crossing	
OT11	Railway Buffer	O	T	11		Other (Ordnance Survey Only)	Transport Support	Railway Buffer	
OT12	Rail Drag	O	T	12		Other (Ordnance Survey Only)	Transport Support	Rail Drag	
OT13	Rail Infrastructure Services	O	T	13		Other (Ordnance Survey Only)	Transport Support	Rail Infrastructure Services	
OT14	Rail Kilometre Distance Marker	O	T	14		Other (Ordnance Survey Only)	Transport Support	Rail Kilometre Distance Marker	
OT15	Railway Lighting	O	T	15		Other (Ordnance Survey Only)	Transport Support	Railway Lighting	
OT16	Rail Mile Distance Marker	O	T	16		Other (Ordnance Survey Only)	Transport Support	Rail Mile Distance Marker	
OT17	Railway Turntable	O	T	17		Other (Ordnance Survey Only)	Transport Support	Railway Turntable	

OT18	Rail Weighbridge	O	T	18		Other (Ordnance Survey Only)	Transport Support	Rail Weighbridge	
OT19	Rail Signalling	O	T	19		Other (Ordnance Survey Only)	Transport Support	Rail Signalling	
OT20	Railway Traverse	O	T	20		Other (Ordnance Survey Only)	Transport Support	Railway Traverse	
OT21	Goods Tramway	O	T	21		Other (Ordnance Survey Only)	Transport Support	Goods Tramway	
OT22	Road Drag	O	T	22		Other (Ordnance Survey Only)	Transport Support	Road Drag	
OT23	Vehicle Dip	O	T	23		Other (Ordnance Survey Only)	Transport Support	Vehicle Dip	
OT24	Road Turntable	O	T	24		Other (Ordnance Survey Only)	Transport Support	Road Turntable	
OT25	Road Mile Distance Marker	O	T	25		Other (Ordnance Survey Only)	Transport Support	Road Mile Distance Marker	
OT26	Road Kilometre Distance Marker	O	T	26		Other (Ordnance Survey Only)	Transport Support	Road Kilometre Distance Marker	
OT27	Road Infrastructure Services	O	T	27		Other (Ordnance Survey Only)	Transport Support	Road Infrastructure Services	
OU	Unsupported Site	O	U			Other (Ordnance Survey Only)	Unsupported Site		
OU01	Cycle Parking Facility	O	U	1		Other (Ordnance Survey Only)	Unsupported Site	Cycle Parking Facility	
OU04	Picnic / Barbeque Site	O	U	4		Other (Ordnance Survey Only)	Unsupported Site	Picnic / Barbeque Site	
OU05	Travelling Persons Site	O	U	5		Other (Ordnance Survey Only)	Unsupported Site	Travelling Persons Site	
OU08	Shelter (Not Including Bus Shelter)	O	U	8		Other (Ordnance Survey Only)	Unsupported Site	Shelter (Not Including Bus Shelter)	
P	Parent Shell	P				Parent Shell			
PP	Property Shell	P	P			Parent Shell	Property Shell		
PS	Street Record	P	S			Parent Shell	Street Record		
R	Residential	R				Residential			
RB	Ancillary Building	R	B			Residential	Ancillary Building		
RC	Car Park Space	R	C			Residential	Car Park Space		
RC01	Allocated Parking	R	C	1		Residential	Car Park Space	Allocated Parking	
RD	Dwelling	R	D			Residential	Dwelling		
RD01	Caravan	R	D	1		Residential	Dwelling	Caravan	
RD02	Detached	R	D	2		Residential	Dwelling	Detached	
RD03	Semi-Detached	R	D	3		Residential	Dwelling	Semi-Detached	
RD04	Terraced	R	D	4		Residential	Dwelling	Terraced	

RD06	Self Contained Flat (Includes Maisonette / Apartment)	R	D	6		Residential	Dwelling	Self Contained Flat (Includes Maisonette / Apartment)	
RD07	House Boat	R	D	7		Residential	Dwelling	House Boat	
RD08	Sheltered Accommodation	R	D	8		Residential	Dwelling	Sheltered Accommodation	
RD10	Privately Owned Holiday Caravan / Chalet	R	D	10		Residential	Dwelling	Privately Owned Holiday Caravan / Chalet	
RG	Garage	R	G			Residential	Garage		
RG02	Lock-Up Garage / Garage Court	R	G	2		Residential	Garage	Lock-Up Garage / Garage Court	
RH	House In Multiple Occupation	R	H			Residential	House In Multiple Occupation		
RH01	HMO Parent	R	H	1		Residential	House In Multiple Occupation	HMO Parent	
RH02	HMO Bedsit / Other Non Self Contained Accommodation	R	H	2		Residential	House In Multiple Occupation	HMO Bedsit / Other Non Self Contained Accommodation	
RH03	HMO Not Further Divided	R	H	3		Residential	House In Multiple Occupation	HMO Not Further Divided	
RI	Residential Institution	R	I			Residential	Residential Institution		
RI01	Care / Nursing Home	R	I	1		Residential	Residential Institution	Care / Nursing Home	
RI02	Communal Residence	R	I	2		Residential	Residential Institution	Communal Residence	
RI02NC	Non-Commercial Lodgings	R	I	2	NC	Residential	Residential Institution	Communal Residence	Non-Commercial Lodgings
RI02RC	Religious Community	R	I	2	RC	Residential	Residential Institution	Communal Residence	Religious Community
RI03	Residential Education	R	I	3		Residential	Residential Institution	Residential Education	
U	Unclassified	U				Unclassified			
UC	Awaiting Classification	U	C			Unclassified	Awaiting Classification		
UP	Pending Internal Investigation	U	P			Unclassified	Pending Internal Investigation		
X	Dual Use	X				Dual Use			
Z	Object of Interest	Z				Object of Interest			
ZA	Archaeological Dig Site	Z	A			Object of Interest	Archaeological Dig Site		
ZM	Monument	Z	M			Object of Interest	Monument		

ZM01	Obelisk / Milestone / Standing Stone	Z	M	1		Object of Interest	Monument	Obelisk / Milestone / Standing Stone	
ZM01OB	Obelisk	Z	M	1	OB	Object of Interest	Monument	Obelisk / Milestone / Standing Stone	Obelisk
ZM01ST	Standing Stone	Z	M	1	ST	Object of Interest	Monument	Obelisk / Milestone / Standing Stone	Standing Stone
ZM02	Memorial / Market Cross	Z	M	2		Object of Interest	Monument	Memorial / Market Cross	
ZM03	Statue	Z	M	3		Object of Interest	Monument	Statue	
ZM04	Castle / Historic Ruin	Z	M	4		Object of Interest	Monument	Castle / Historic Ruin	
ZM05	Other Structure	Z	M	5		Object of Interest	Monument	Other Structure	
ZM05BS	Boundary Stone	Z	M	5	BS	Object of Interest	Monument	Other Structure	Boundary Stone
ZM05CE	Cascade / Fountain	Z	M	5	CE	Object of Interest	Monument	Other Structure	Cascade / Fountain
ZM05PN	Permanent Art Display / Sculpture	Z	M	5	PN	Object of Interest	Monument	Other Structure	Permanent Art Display / Sculpture
ZM05WI	Windmill (Inactive)	Z	M	5	WI	Object of Interest	Monument	Other Structure	Windmill (Inactive)
ZS	Stately Home	Z	S			Object of Interest	Stately Home		
ZU	Underground Feature	Z	U			Object of Interest	Underground Feature		
ZU01	Cave	Z	U	1		Object of Interest	Underground Feature	Cave	
ZU04	Pothole / Natural Hole	Z	U	4		Object of Interest	Underground Feature	Pothole / Natural Hole	
ZV	Other Underground Feature	Z	V			Object of Interest	Other Underground Feature		
ZV01	Cellar	Z	V	1		Object of Interest	Other Underground Feature	Cellar	
ZV02	Disused Mine	Z	V	2		Object of Interest	Other Underground Feature	Disused Mine	
ZV02MI	Mineral Mining / Inactive	Z	V	2	MI	Object of Interest	Other Underground Feature	Disused Mine	Mineral Mining / Inactive
ZV02OI	Oil And / Gas Extraction/ Inactive	Z	V	2	OI	Object of Interest	Other Underground Feature	Disused Mine	Oil And / Gas Extraction/ Inactive
ZV02QI	Mineral Quarrying And / Open Extraction / Inactive	Z	V	2	QI	Object of Interest	Other Underground Feature	Disused Mine	Mineral Quarrying And / Open Extraction / Inactive

ZV03	Well / Spring	Z	V	3		Object of Interest	Other Underground Feature	Well / Spring	
ZV03SG	Spring	Z	V	3	SG	Object of Interest	Other Underground Feature	Well / Spring	Spring
ZV03WL	Well	Z	V	3	WL	Object of Interest	Other Underground Feature	Well / Spring	Well
ZW	Place Of Worship	Z	W			Object of Interest	Place Of Worship		
ZW99AB	Abbey	Z	W	9	AB	Object of Interest	Place Of Worship		Abbey
ZW99CA	Cathedral	Z	W	9	CA	Object of Interest	Place Of Worship		Cathedral
ZW99CH	Church	Z	W	9	CH	Object of Interest	Place Of Worship		Church
ZW99CP	Chapel	Z	W	9	CP	Object of Interest	Place Of Worship		Chapel
ZW99GU	Gurdwara	Z	W	9	GU	Object of Interest	Place Of Worship		Gurdwara
ZW99KH	Kingdom Hall	Z	W	9	KH	Object of Interest	Place Of Worship		Kingdom Hall
ZW99LG	Lych Gate	Z	W	9	LG	Object of Interest	Place Of Worship		Lych Gate
ZW99MQ	Mosque	Z	W	9	MQ	Object of Interest	Place Of Worship		Mosque
ZW99MT	Minster	Z	W	9	MT	Object of Interest	Place Of Worship		Minster
ZW99SU	Stupa	Z	W	9	SU	Object of Interest	Place Of Worship		Stupa
ZW99SY	Synagogue	Z	W	9	SY	Object of Interest	Place Of Worship		Synagogue
ZW99TP	Temple	Z	W	9	TP	Object of Interest	Place Of Worship		Temple