

# GES Supply Point Switching API Technical Specification

## Version Control

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# 1 Introduction

## 1.1 Document Overview

The purpose of this document is to define the UK Link Xoserve API Interfaces at a technical level to enable Xoserve customers to update their current systems to meet the new requirements.

Xoserve will adopt industry-standard API security practices (see [Code of Connection](#) document) to provide application interfaces for the following authorised GB Gas Industry Customers:

- Gas Suppliers
- Price Comparison Websites (PCWs)
- Third Party Intermediaries (TPIs)

This document does not cover the Code of Connection (CoCo).

## 1.2 Document Scope

This document covers the following Gas Service Query APIs:

- Supply Point Switching API - REL data added to the existing API service (Suppliers, TPIs, PCWs)
  - Supply Point Switching Address Search API
  - Supply Point Switching Switch Gas Data API

## 1.3 Connectivity and Security

The Xoserve API solution will be an internet-facing service.

The network connectivity and authorisation design is detailed in the [Code of Connection](#), which accompanies the Interface specification. This should be used to determine how to connect with the Xoserve API.

# 2 API Design Technical Overview

## 2.1 Input Data Items

A query string will be used to send data to a server via a GET request. Parameters may be provided in any order:

```
/api/v1/path_to_service?[query_parameters]
```

Example:

```
/api/v1/switchaddress?postcode=AB3%204ZZ&house_no=12
```

## 2.2 Output Data

Output data will be returned in JSON format:

Example:

```
{
  "data": [{
    "addressId":1234567891,
    "houseName": "",
    "houseNumber": "12",
    omitted for brevity
  }]1
}
```

<sup>1</sup> [ ] indicates that multiple records may be returned (this will be indicated where applicable and is included here for the purpose of demonstration only).

## 2.3 Error Data

Each API will generate an error response when it encounters an issue and provide an appropriate error code.

Error data for all APIs will be returned in JSON format:

```
{
  "fault": [{
    "faultstring": "string",
    "detail": {
      "errorcode": "string",
      "item": "string"
    }
  }]
}
```

<sup>1</sup> [ ] indicates that multiple records may be returned

## 2.4 Common Elements

### 2.4.1 Header Information [Request]

#	Header Property Name	Header Options	Header Optionality
1	X-API-Key		Required
2	Cache-Control	"no-store"	Optional
3	content-type	"application/json"	Optional

The [Code of Connection](#) states: The OAuth 2.0 based authentication/authorisation process will return a JSON Web Token (JWT which holds the authorisation claims of the calling application which must be presented in the header of each call to the API, and provides details of how to obtain, use and refresh the JWT.

### 2.4.2 Query Parameters

This API service will accept query parameters and generate a synchronous response message.

## 2.5 Special Characters

All messages must be URL encoded.

Special characters provided in the URL must be URL-encoded. Characters that are not encoded will return an error as defined in the Error Handling Strategy.

Meaning	Character
Exclamation mark	!
Double quotation mark / Speech Mark	"
Pound Sterling sign	£
Dollar sign	\$
Percentage	%
Caret	^
Ampersand	&
Asterisk	*
Opening parenthesis	(
Closing parenthesis	)
Logical not sign	¬
Accent	`
Equals sign	=
Hyphen / Minus / negative sign	-
Plus / positive sign	+
Underscore	_
Semi colon	;
Colon	:
Apostrophe / single quotation mark	'
At sign	@
Hash / pound sign	#
Tilde operator	~
Less than	<
Greater than	>
Question mark	?
Solidus / oblique / slash	/
Comma	,
Full stop / period	.
Vertical bar	
Back slash	\

## 3 Supply Point Switching API

Supply Point Switching API provides two methods of querying, using address details which will return address ID, which can then be used as an input to the Switch Gas Data Input.

The existing Supply Point Switching API has been modified to include Retail Energy Location (REL) address.

This service is currently available to authorised GB gas industry customers i.e. Price Comparison Websites (PCWs), Third Party Intermediaries (TPIs) and Suppliers; who are working to provide improvements to the supplier switching process. As part of this change, this API service is required to be extended to Shippers as an eligible gas industry customer.

Available to:

- Gas Suppliers
- Price Comparison Websites (PCWs)

- Third Party Intermediaries (TPIs)

### 3.1 Scope

The Supply Point Switching API will return data for domestic and non-domestic sites.

## 3.2 Supply Point Switching Address Search API

### 3.2.1 Input Data Items

#	Name	JSON	Type	Length	Description
1	Postcode	postcode	String	10	Postcode
2	House Number	houseNumber	String	10	House Number
3	House Name	houseName	String	60	House Name

**Method:** GET

**Route:** /query/v1/supply-point-address

**Input query string:** /query/v1/supply-point-address?**postcode**=value&houseNumber=value&houseName=value

Items in bold are mandatory (**postcode**)

### 3.2.2 Output Data Items

#### 3.2.2.1 Supply Point Switching Address Search API Output Parameters

Appendix 5.1 provides a full data definition of the output parameters that are included within the API (as shown below in JSON format only).

### 3.2.2.2 Supply Point Switching Address Search API Output JSON

```
{
  "switchAddresses": [{
    "addressId": "string",
    "uprn": "string",
    "country": "string",
    "county": "string",
    "deliveryPointAlias": "string",
    "dependentLocality": "string",
    "dependentStreet": "string",
    "doubDependentLocality": "string",
    "houseName": "string",
    "houseNumber": "string",
    "poBoxNumber": "string",
    "postcode": "string",
    "street": "string",
    "subBuildingName": "string",
    "town": "string"
  }]
}
```

## 3.3 Supply Point Switching Switch Gas Data API

### 3.3.1 Input Data Items

#	Name	JSON	Type	Length	Description
1	Address_id	addressId	String	30	Internal ID that links MRPN to address data.
2	mprn	meterPointReferenceNumber	String	50	Meter Point Reference Number (MPRN). A unique identifier for the point at which a meter is, has been or will be connected to the Gas network.
3	uprn	uprn	Number	12	Unique Property Reference Number
4	Postcode	postcode	String	10	Postcode
5	house_no	houseNumber	String	10	House Number
6	houseName	houseName	String	60	House Name
7	flat_no	flatNumber	String	40	Flat Number
8	street	street	String	40	Street
9	city	city	String	40	City

**Method:** GET

**Route:** /query/v1/switch

**Input query string:** /query/v1/switch?addressId=value&meterPointReferenceNumber=value  
uprn=value&postcode=value&houseNumber=value&houseName=value&flatNumber=value&street=value&city=value

One and only one of the items in bold is required (**addressId**, **uprn**, **meterPointReferenceNumber**, **postcode**)

### 3.3.1.1 Output Data Items

### 3.3.1.2 Supply Point Switching Switch Gas Data API Output Parameters

Appendix 5.1 provides a full data definition of the output parameters are included within the API (as shown below in JSON format only).

### 3.3.1.3 Supply Point Switching Switch Gas Data API Output JSON

```
{
  "switchGasData": [{
    "addressId": "string",
    "houseName": "string",
    "houseNumber": "string",
    "country": "string",
    "county": "string",
    "currentSupplierId": "string",
    "currentSupplierRegEffectiveDate": "string",
    "pendingSupplierRegEffectiveDate": "string",
    "deliveryPointAlias": "string",
    "dependentStreet": "string",
    "dmq": number,
    "doubleDependentLocality": "string",
    "gasTransportId": "string",
    "ldzId": "string",
    "meterCapacity": "string",
    "meterMechanismCode": "string",
    "meterSerialNumber": "string",
    "mpaq": number,
    "mprn": "string",
    "ndmq": number,
    "poBoxNumber": "string",
    "postTown": "string",
    "postcode": "string",
    "smartEquipmentTechnicalCode": "string",
    "street": "string",
    "subBuildingName": "string",
    "amr_indicator": "string",
    "convertor_indicator": "string",
    "correction_factor": "string",
    "current_supplier_name": "string",
    "exit_zone": "string",
    "formula_year_supply_meter_point_aq": 0
    "icuktsflg": "string",
    "incoming_supplier": "string",
    "installing_supplier_id": "string",
    "last_meter_read_date": "string",
    "last_meter_read_type": "string",
```



```

    "last_meter_read_value": "string",
    "market_sector_code": "string",
    "meter_device_status": "string",
    "meter_imperial_indicator": "string",
    "meter_installation_date": "string",
    "meter_location": "string",
    "meter_manufacturer": "string",
    "meter_model": "string",
    "meter_number_of_dials": "string",
    "meter_point_status": "string",
    "meter_type": "string",
    "meter_units": "string",
    "meter_year_of_manufacture": "string",
    "network_name": "string",
    "previous_supplier_name": "string",
    "previous_supplier_short_code": "string",
    "addressSource": "string",
    "uprn": number,
    "relAddress": ["REL Address Payload – section 4.3"]
  }}
}

```

## 4 REL Address Elements

### 4.1 Static REL Address Data

Name	Type	Length	Description
addressSource	string	10	How the address has been derived
uprn	number	12	Unique Property Reference Number

### 4.2 REL Payload Data

The REL Payload Data provides information in the order that the data is provided by the Address Management Service consistent with the defined structure of the Market Message providing the REL Address as defined in the REC Schedule - Address Management Section 10.3.

*IMPORTANT: API developers should note that the logical display order for the REL Address Data Elements is: Secondary Name, Primary Name, Street 2, Street 1, Locality 2, Locality 1, Town.*

*The API is not provided in the logical display order. Developers should consider each data item based its description rather than its Data Item name.*

For example: recipients of the REL Payload Data should note that users of REL data will consider that street2 should be read prior to street1 and that locality2 should be read prior to

locality1. When consuming this data to present to users – for example, by screen display or mailing – API recipients may wish to reverse the order in which these fields are presented.

Name	Type	Length	Description
primaryName	string	90	This is the Primary Addressable Object description. This is normally the name and or number of the property
secondaryName	string	90	This is the Secondary Addressable Object description, e.g. the “Flat 2” in the address “Flat 2, London House, Exeter”. This is only relevant for a child property. “London House” in this case will be the Primary Name of the parent property
street1	string	100	LPI1 - derived from Street DPA2 - the Thoroughfare
street2	string	80	LPI – Blank DPA - dependant thoroughfare
locality1	string	35	LPI – derived from Street – Using locality code lookup DPA – dependant locality
locality2	string	35	LPI - Blank DPA – double dependant locality
town	string	30	LPI – Derived from Street – Using Town code lookup DPA – Post Town
postcode	string	8	Postcode associated with the address
logicalStatus	number	1	This is the status of the address. For allowable values see Section <b>Error! Reference source not found.</b> Enumerations.
language	string	3	The language of the address (ISO 639-2 Code). For example, in Wales you will usually have an English and Welsh address. It will be cym for Welsh.
organisation	string	60	Current organisation name of the property if one exists
addressType	string	3	The type of address of this entry in the array.
confidenceScore	number	3	A relative confidence score on the match from MPL to REL
classification	string	6	Classification code of the property as per the AddressBase Premium classification scheme
latitude	number	10,6	Latitude of the associated property, usually either the centroid of the building polygon or a general internal point within the building polygon
longitude	number	10,6	Longitude of the associated property, usually either the centroid of the building polygon or a general internal point within the building polygon

<sup>1</sup> See [British Standard 7666](#)

<sup>2</sup> The Delivery Point Address is derived from PAF (Postcode Address File) and identifies a property that receives deliveries from the Royal Mail

### 4.3 REL Address Payload JSON

REL Address Payload contains the following information:

```
{  
  "secondaryName": "string",  
  "primaryName": "string",  
  "street1": "string",  
  "street2": "string",  
  "locality1": "string",  
  "locality2": "string",  
  "town": "string",  
  "postcode": "string",  
  "logicalStatus": number,  
  "language": "string",  
  "organisation": "string",  
  "addressType": "string",  
  "confidenceScore": "string",  
  "classification": "string",  
  "latitude": number,  
  "longitude": number  
}
```

### 4.4 Use of REL Address

REL addresses provided via the Xoserve API must only be used for the purpose permitted - the licence CSS has agreed with Ordnance Survey.

The purpose, as defined in the agreement, is for the “purposes of enabling switching including (without limitation) for the purposes of design, development, testing, integration and live operational use.”<sup>3</sup>

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<sup>3</sup> As defined in CSS Interface Design Specification

## 5 Appendices

### 5.1 Supply Point Switching API Output Parameters

#### 5.1.1 Address Search

#	Field Name	Type	Length	Description
1	address_id	String	50	Internal ID that links MPRN to address data.
2	Country	String	3	Country.
3	County	String	3	County.
4	delivery_point_alias	String	50	Delivery Point Alias.
5	dependent_locality	String	40	Dependent Locality.
6	dependent_street	String	40	Dependent Street.
7	doub_dependent_locality	String	40	Double Dependent Locality.
8	house_name	String	60	House Name.
9	house_number	String	10	House Number.
10	po_box_number	String	10	PO Box Number.
11	Postcode	String	10	Postcode.
12	Street	String	40	Street.
14	sub_building_name	String	40	Sub Building Name.
15	addressSource	String	10	Address Source.
16	Upnr	Number	12	Unique Property Reference Number.

## 5.1.2 Switch Gas Data

#	Field Name	Type	Length	Description
1	address_id	String	30	Internal ID that links MPRN to address data.
2	house_name	String	60	House Name.
3	house_number	String	10	House Number.
4	country	String	3	Country.
5	county	String	3	County.
6	current_supplier_id	String	40	A unique three-character code used to identify the current supplier.
7	currentSupplierRegEffectiveDate	String	8	A datetime indicating the date on which the Supplier became the supplier of the RMP.
8	pendingSupplierRegEffectiveDate	String	8	A datetime indicating the date on which a subsequent Supplier will become the supplier of the RMP.
9	delivery_point_alias	String	50	Delivery Point Alias.
10	dependent_street	String	40	Dependent Street.
11	dmq	Decimal	(16,7)	Daily Metered current annual offtake quantity (AQ) of a Supply Meter Point. Value in kWh.
12	double_dependent_locality	String	40	Double Dependent Locality.
14	gas_transport_id	String	40	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.
15	ldz_id	String	10	Unique reference code for the Local Distribution Zone (LDZ).
16	meter_capacity	String	15	The amount of gas that can be passed through the meter in a given time period. This is the manufacturer's maximum value.
17	meter_mechanism_code	String	40	The coded value of the description of the Meter Mechanism, an industry identifier for the type of equipment fitted e.g. credit or prepayment meter.
18	meter_serial_number	String	50	The manufacturer's meter serial number as held on the physical meter currently installed on the supply point.
19	mpaq	Decimal	(16,7)	The current annual offtake quantity (AQ) of a Supply Meter Point. Value in kWh.
20	mprn	String	50	Meter Point Reference Number (MRPN). A unique identifier for the point at which a meter is, has been or will be connected to the Gas Network.
21	ndmq	Decimal	(16,7)	Non-Daily Metered current annual offtake quantity (AQ) of a Supply Meter Point. Value in kWh.

#	Field Name	Type	Length	Description
22	po_box_number	String	10	PO Box Number.
23	post_town	String	40	Post Town.
24	postcode	String	10	Postcode.
25	smart_equipment_technical_code	String	10	Specification ID of the smart meter.
26	street	String	40	Street.
27	addressSource	String	10	Address Source.
28	Uprn	Number	12	Unique Property Reference Number.
29	amr_indicator	String	1	Indicator to identify whether the site has AMR attached. For allowable values see Section <b>Error! Reference source not found.</b> <b>Error! Reference source not found..</b>
30	convertor_indicator	String	1	Indicator to identify whether the site has a convertor attached. For allowable values see Section <b>Error! Reference source not found.</b> <b>Error! Reference source not found..</b>
31	correction_factor	String	9	This is a fixed factor based on pressure/altitude/temperature
32	current_supplier_name	String	40	The name of the current Supplier
33	exit_zone	String	3	A unique reference for the Exit Zone
34	formula_year_supply_meter_point_aq	0	15	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.
35	lcuktsflg	String	1	Indicator to identify if there is more than one meter at the site (Twin Stream) For allowable values see Section <b>Error! Reference source not found.</b> <b>Error! Reference source not found..</b>
36	incoming_supplier	String	10	A unique three character code used to identify the Incoming Supplier
37	installing_supplier_id	String	3	The smart meter Supplier ID
38	last_meter_read_date	String	10	The date on which the last meter read recorded at the site
39	last_meter_read_type	String	2	Latest meter read type
40	last_meter_read_value	String	12	The last meter read value
41	market_sector_code	String	10	A code that specifies that the site is used for domestic or industrial and commercial purposes. D = Domestic

#	Field Name	Type	Length	Description
				I = Industrial and Commercial
42	meter_device_status	String	2	A code indicating the current status of the meter installed at the supply point. 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.
43	meter_imperial_indicator	String	1	Indicator identifying if the meter measures volume of gas consumed in metric or imperial units. Y = Imperial meter; N = Metric meter
44	meter_installation_date	String	8	The date on which the meter was installed at the Supply Meter Point
45	meter_location	String	2	A code representing the location of a meter installed at the Supply Point VALUES: 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 - Meterbox, 98 – Other, 99 – Outside
46	meter_manufacturer	String	15	Identifies the Short code of meter manufacturer of the meter installed at the Supply Point
47	meter_model	String	30	The model of the meter installed at the Supply Meter Point
48	meter_number_of_dials	String	2	The number of dials on the meter installed at the Supply Meter Point
49	meter_point_status	String	10	The current status of the operability of the supply meter point. LI = Live; DE = Dead; CA = Capped; CL = Clamped; PL = Planned
50	meter_type	String	8	The type of meter installed at the Supply Point
51	meter_units	String	17,3	This contains the units the meter installed on a Supply Point is reading in e.g. 10, 100, 1000
52	meter_year_of_manufacture	String	4	The year of Manufacture of the meter installed at the Supply Point
53	network_name	String	40	Gas Distribution Network Name
54	previous_supplier_name	String	40	The name of the previous Supplier
55	previous_supplier_short_code	String	3	A unique three-character code used to identify the previous Supplier

### 5.1.3 Sample Requests / Responses

#### 5.1.3.1 Requests “Search Address”

The following is an example for the “Search Address” API request:

#	Request	Request description
1	/query/v1/supply-point-address?postcode=XXX%20XXX&houseNumber =X	Get Address Data by Postcode and House Number.



### 5.1.3.2 Response “Search Address”

The following is an example of the “Search Address” API response:

#	Response	Response description
1	/query/v1/supply-point-address?postcode=AB11%207XX&houseNumber=00	<pre>{   "switchAddresses": [{     "addressId": "6011773466",     "uprn": 9000000110,     "country": "England",     "county": "Aberdeenshire",     "deliveryPointAlias": "",     "dependentLocality": "",     "dependentStreet": "",     "doubDependentLocality": "",     "houseName": "",     "houseNumber": "00",     "poBoxNumber": "",     "postcode": "AB11 7XX",     "street": "FLINTHILL TERRACE",     "subBuildingName": "FLAT 1",     "town": "Aberdeen"   }],   {     "addressId": "6011773466",     "uprn": 9000000110,     "country": "",     "county": "",     "deliveryPointAlias": "",     "dependentLocality": "",     "dependentStreet": "",     "doubDependentLocality": "",     "houseName": "00",     "houseNumber": "FLAT 1",     "poBoxNumber": "",     "postcode": "AB11 7XX",     "street": "FLINTHILL TERRACE",     "subBuildingName": "FLAT 1",     "town": "ABERDEEN"   } }</pre>

#	Response	Response description
		<pre> }, {   "addressId": "6011773466",   "uprn": 9000000110,   "country": "",   "county": "",   "deliveryPointAlias": "",   "dependentLocality": "",   "dependentStreet": "",   "doubDependentLocality": "",   "houseName": "00",   "houseNumber": "FLAT A",   "poBoxNumber": "",   "postcode": "AB11 7XX",   "street": "FLINTHILL TERRACE",   "subBuildingName": "FLAT A",   "town": "ABERDEEN" }, {   "addressId": "6011773466",   "uprn": 9000000110,   "country": "",   "county": "",   "deliveryPointAlias": "",   "dependentLocality": "",   "dependentStreet": "",   "doubDependentLocality": "",   "houseName": "00A",   "houseNumber": "",   "poBoxNumber": "",   "postcode": "AB11 7XX",   "street": "FLINTHILL TERRACE",   "subBuildingName": "",   "town": "ABERDEEN" } ] </pre>

#	Response	Response description
	/query/v1/supply-point-address?postcode='XXX%20XXX'& houseNumber =X [Error]	{ "fault": [{ "faultString": "Request cannot be processed because invalid query parameter(s) supplied.", "detail": { "errorCode": "XSCH6003", "item": "houseNumber " } }] }

### 5.1.3.3 Requests “Switch Gas Data”

The following is an example for the “Switch Gas Data” API request:

#	Request	Request description
1	/query/v1/switch?addressId=XXXXXXXXXX	Get Switch Data by Address Identifier.
2	/query/v1/switch?meterPointReferenceNumber=XXXXXXX	Get Switch Data by MPRN.
3	/query/v1/switch?postcode=XXX%20XXX&houseNumber=X	Get Switch Data by Postcode and House Number (unique record only).

### 5.1.3.4 Responses “Switch Gas Data”

The following are examples of “Switch Gas Data” API responses:

#	Response	Response description
1	/query/v1/switch?addressId=XXXXXXXXXX	{ "switchGasData": [{ "addressId": "XXXXXXXX", "houseName": "", "hounumber": "X", "country": "GB", "county": "", "currentSupplierId": "ABC", "currentSupplierRegEffectiveDate": "2019-08-07T00:00:00.000Z", "pendingSupplierRegEffectiveDate": "", "deliveryPointAlias": "", "dependentStreet": "", "dmq": "17799", "doubleDependentLocality": "",

#	Response	Response description
		<pre> "gasTransportId": "Sample Gas Networks Plc.", "ldz_id": "SE", "meter_capacity": "1", "meter_mechanism_code": "NS", "meter_serial_number": "XXXXXXXXXX", "mpaq": "17799", "meterPointReferenceNumber": "XXXXXXXXXX", "ndmq": "18467", "poBoxNumber": "", "postTown": "LONDON", "postcode": "XXX XXX", "smartEquipmentTechnicalCode": "BRG", "street": "NUTHURST AVENUE", "subBuildingName": "", "addressSource": "Match", "uprn": "100023336956",   "relAddress": [{     "primaryName": "4",     "secondaryName": "",     "street1": "Sample Terrace",     "street2": "",     "locality1": "Inverbervie",     "locality2": "",     "town": "Montrose",     "postcode": "AA10 0BC",     "logicalStatus": "1",     "language": "ENG",     "organisation": "",     "addressType": "LPI",     "confidenceScore": "1",     "classification": "",     "latitude": "52.411800000000",     "longitude": "1.777600000000"   ] } </pre>

#	Response	Response description
2	/query/v1/switch?meterPointReferenceNumber=XXXXXXXXXX	<pre> { "switchGasData": [{   "addressId": "XXXXXXXXXX",   "houseName": "",   "housenumber": "15",   "country": "GB",   "county": "",   "currentSupplierId": "ABC",   "currentSupplierRegEffectiveDate": "2019-08-07T00:00:00.000Z",   "pendingSupplierRegEffectiveDate": "",   "deliveryPointAlias": "",   "dependentStreet": "",   "dmq": "17799",   "doubleDependentLocality": "",   "gasTransportId": "Sample Gas Networks Plc.",   "ldz_id": "SE",   "meter_capacity": "1",   "meter_mechanism_code": "NS",   "meter_serial_number": "XXXXXXXXXXXXXX",   "mpaq": "17799",   "meterPointReferenceNumber": "XXXXXXXXXX",   "ndmq": "18467",   "poBoxNumber": "",   "postTown": "LONDON",   "postcode": "XXX XXX",   "smartEquipmentTechnicalCode": "BRG",   "street": "NUTHURST AVENUE",   "subBuildingName": "",   "addressSource": "Match",   "uprn": "100023336956",   "relAddress": [{     "primaryName": "4",     "secondaryName": "",     "street1": "Sample Terrace",     "street2": "",     "locality1": "Inverbervie",     "locality2": "",     "town": "Montrose", </pre>

#	Response	Response description
		<pre> "postcode": "AA10 0BC", "logicalStatus": "1", "language": "ENG", "organisation": "", "addressType": "LPI", "confidenceScore": "1", "classification": "", "latitude": "52.411800000000", "longitude": "1.777600000000"     ]     ]     } </pre>
3	/query/v1/switch?postcode=XXX%20XX X&houseNumber=X	<pre> { "switchGasData": [{   "addressId": "XXXXXXXXXX",   "houseName": "",   "housenumber": "15",   "country": "GB",   "county": "",   "currentSupplierId": "ABC",   "currentSupplierRegEffectiveDate": "2019-08-07T00:00:00.000Z",   "pendingSupplierRegEffectiveDate": "",   "deliveryPointAlias": "",   "dependentStreet": "",   "dmq": "17799",   "doubleDependentLocality": "",   "gasTransportId": "Sample Gas Networks Plc.",   "ldz_id": "SE",   "meter_capacity": "1",   "meter_mechanism_code": "NS",   "meter_serial_number": "XXXXXXXXXXXX",   "mpaq": "17799",   "meterPointReferenceNumber": "XXXXXXXX",   "ndmq": "18467",   "poBoxNumber": "",   "postTown": "LONDON",   "postcode": "XXX XXX",   "smartEquipmentTechnicalCode": "BRG", </pre>

#	Response	Response description
		<pre> "street": "NUTHURST AVENUE", "subBuildingName": "", "addressSource": "Match", "uprn": "100023336956",   "relAddress": [{     "primaryName": "4",     "secondaryName": "",     "street1": "Sample Terrace",     "street2": "",     "locality1": "Inverbervie",     "locality2": "",     "town": "Montrose",     "postcode": "AA10 0BC",     "logicalStatus": "1",     "language": "ENG",     "organisation": "",     "addressType": "LPI",     "confidenceScore": "1",     "classification": "",     "latitude": "52.411800000000",     "longitude": "1.777600000000"   ] } </pre>