Broadband Availability



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# **Broadband Availability Introduction**

This document will outline how the Availability call can be made and associated calls to check address details and retrieve the access-line-id (for SOGEA orders).

It is recommended that you call Availability with accurate address information before proceeding with any orders to ensure only valid products are used.

# **address\_search**

To retrieve an address-reference and css-database-code, the address\_search call can be made.

You can search using just postcode or by using all three: building, street, and city.

In this example, a postcode has been used.

**Request:**

<Request module="dwapi" call="address\_search" id="46309a3e6119271cb28dce16ebb9bc3e" version="1.0">

<block name="auth">

<a name="username" format="text">your\_username</a>

<a name="password" format="password">your\_password</a>

</block>

<a name="postcode" format="text">BB95SR</a>

</Request>

**Response:**

<?xml version="1.0"?>

<Response id="46309a3e6119271cb28dce16ebb9bc3e">

<block name="addresses">

<block>

<a name="building" format="text">14</a>

<a name="street" format="text">Lindred Road</a>

<a name="locality" format="text">Brierfield</a>

<a name="city" format="text">Nelson</a>

<a name="county" format="text">Lancashire</a>

<a name="postcode" format="text">BB95SR</a>

<a name="address-reference" format="text">A14018204691</a>

<a name="css-database-code" format="text">LC</a>

</block>

<block>

<a name="building" format="text">16</a>

<a name="street" format="text">Lindred Road</a>

<a name="locality" format="text">Brierfield</a>

<a name="city" format="text">Nelson</a>

<a name="postcode" format="text">BB95SR</a>

<a name="address-reference" format="text">A00030501046</a>

<a name="css-database-code" format="text">LC</a>

</block>

</block>

<status no="0"/>

</Response>

In this example, building, street, and city have been used.

**Request:**

<?xml version="1.0"?>

<Request module="dwapi" call="address\_search" id="171a4645e7a33eafde093266d0529e38" version="1.0">

<block name="auth">

<a name="username" format="text">your\_username</a>

<a name="password" format="password">your\_password</a>

</block>

<a name="building" format="text">16</a>

<a name="city" format="text">Nelson</a>

<a name="street" format="text">Lindred Road</a>

</Request>

**Response:**

<?xml version="1.0"?>

<Response id="171a4645e7a33eafde093266d0529e38">

<block name="addresses">

<block>

<a name="building" format="text">16</a>

<a name="street" format="text">Lindred Road</a>

<a name="locality" format="text">Brierfield</a>

<a name="city" format="text">Nelson</a>

<a name="postcode" format="text">BB95SR</a>

<a name="address-reference" format="text">A00030501046</a>

<a name="css-database-code" format="text">LC</a>

</block>

<block>

<a name="building" format="text">16</a>

<a name="street" format="text">Lindred Road</a>

<a name="locality" format="text">Brierfield</a>

<a name="city" format="text">Nelson</a>

<a name="postcode" format="text">BB95SR</a>

<a name="address-reference" format="text">A14701357442</a>

<a name="css-database-code" format="text">LC</a>

</block>

<block>

<a name="building" format="text">16</a>

<a name="sub-premise" format="text">Floor 001-Com</a>

<a name="street" format="text">Lindred Road</a>

<a name="locality" format="text">Brierfield</a>

<a name="city" format="text">Nelson</a>

<a name="postcode" format="text">BB95SR</a>

<a name="address-reference" format="text">A15100007664</a>

<a name="css-database-code" format="text">LC</a

</block>

</block>

<status no="0"/>

</Response>

# **availability**

The availability call is made to retrieve the products available and details of, for a specific address.

For accurate results, it is recommended either a combination of address-reference and css-database-code is used or a telephone number. Postcode can also be used to retrieve products.

The results can also be restricted by service-type with one of the following values:

MPF

ADSL

VDSL

SOGEA

To retrieve FTTP products, do not enter a service-type.

In the below example we have used the address-reference and css-database-code to specify the location and restricted the response to just SOGEA products.

**Request:**

<?xml version="1.0"?>

<Request module="dwapi" call="availability" id="0aa6bbc9901b21b6a0d1b9aefee2fec2" version="1.0">

<block name="auth">

<a name="username" format="text">your\_username</a>

<a name="password" format="password">your\_password</a>

</block>

<a name="address-reference" format="text">A00030501046</a>

<a name="css-database-code" format="text">LC</a>

<a name="service-type" format="text">SOGEA</a>

</Request>

The response is made up with separate blocks.

**"realistic-speeds"** Contains sub-blocks for each customer type: business, residential and none. Each block contains the list of products and speed details for each. "supplier-product-reference" & "supplier-product-subtype" (if provided) together give a unique identifier for the product.

"**2plus-qualification**" Contains sub-blocks with qualification ranges and exchange information.

"**leadtimes**" Contains the lead time (working days) for each product listed below.

“**products**" Contains the products available for this location and the "product-id".

## **3.1 Exchange codes**

|  |  |
| --- | --- |
| **Code** | **Description** |
| E | Exchange enabled – The requested service can be provided. |
| P | Exchanged is planned to be enabled – The requested service can NOT currently be provided, but can be once the exchange is enabled, try again at a later date. |
| N | Exchange is NOT planned to be enabled – The requested service can NOT be provided, and there are no plans to support xDSL, you can NOT order xDSL for this exchange. |
| S | Exchange Activate – Exchange Planned – We can NOT provide xDSL broadband for this exchange. |
| L | Exchange Activate – Exchange Live – We can NOT provide xDSL broadband for this exchange. |
| H | Exchange reviewed but not viable – The requested service can NOT be provided, and there are no plans to support xDSL, you can NOT order xDSL for this exchange. |
| F | Exchange reviewed planned for the future – The requested service can NOT currently be provided, the exchange has been flagged for a review, the status may change to P or H. Try again at a later date. |
| R | Part of the Roll-Out programme – The requested service can NOT currently be provided, but can be once the exchange is enabled, try again at a later date. |

# **access\_line\_availability**

For SOGEA orders, an access-line-id must be used. Access\_line\_availability will retrieve the access-line-id (or multiple) for a specified address. The call uses the address-reference and css-database-code which can be retrieved by calling address\_search.

**Request:**

<?xml version="1.0"?>

<Request module="dwapi" call="access\_line\_availability" id="daaf55d470115d6daaa3c8cb9203e07b" version="1.0">

<block name="auth">

<a name="username" format="text">your\_username</a>

<a name="password" format="password">your\_password</a>

</block>

<a name="address-reference" format="text">A00030501046</a>

<a name="css-database-code" format="text">LC</a>

</Request>

**Response:**

<?xml version="1.0"?>

<Response id="daaf55d470115d6daaa3c8cb9203e07b">

<status no="0"/>

<block name="lines">

<block>

<a name="access-line-id" format="text">OOF3225452O3</a>

<a name="css-exchange-code" format="text">NEL</a>

<a name="css-exchange-type" format="text">NDXD03</a>

<a name="pending-cease-order" format="text">false</a>

<a name="service-type" format="text">MPF</a>

</block>

<block>

<a name="access-line-id" format="text">OOF3036050O3</a>

<a name="css-exchange-code" format="text">NEL</a>

<a name="css-exchange-type" format="text">NDXD03</a>

<a name="pending-cease-order" format="text">false</a>

<a name="service-type" format="text">MPF</a>

</block>

<block>

<a name="access-line-id" format="text">C000027496532</a>

<a name="css-exchange-code" format="text">NEL</a>

<a name="css-exchange-type" format="text">NDXD03</a>

<a name="pending-cease-order" format="text">false</a>

<a name="service-type" format="text">PSTN\_SINGLE\_LINE</a>

<a name="telephone-number" format="text">01282694927</a>

</block>

<block>

<a name="access-line-id" format="text">C000018548915</a>

<a name="css-exchange-code" format="text">NEL</a>

<a name="css-exchange-type" format="text">NDXD03</a>

<a name="pending-cease-order" format="text">false</a>

<a name="service-type" format="text">ISDN30E</a>

<a name="telephone-number" format="text">01282601998</a>

</block>

</block>

</Response>

# **available\_appointments**

This call is used to retrieve available time slots for appointments based on the address and start date provided. You can use the address\_search call to retrieve the address-reference and css-database-code.

**Request:**

<?xml version="1.0"?>

<Request module="dwapi" call="available\_appointments" id="d65ffe6ce2f7e8936f9838a72c859930" version="1.0">

<block name="auth">

<a name="username" format="text">your\_username</a>

<a name="password" format="password">your\_password</a>

</block>

<a name="address-reference" format="text">A00030501046</a>

<a name="css-database-code" format="text">LC</a>

<a name="start-date" format="text">2020-09-24</a>

<a name="technology-type" format="text">FTTP</a>

</Request>

**Response:**

<?xml version="1.0"?>

<Response id="d65ffe6ce2f7e8936f9838a72c859930">

<block name="appointments">

<block>

<a name="date" format="date">2020-10-02</a>

<a name="timeslot" format="text">AM</a>

</block>

<block>

<a name="date" format="date">2020-10-02</a>

<a name="timeslot" format="text">PM</a>

</block>

<block>

<a name="date" format="date">2020-10-05</a>

<a name="timeslot" format="text">AM</a>

</block>

<block>

<a name="date" format="date">2020-10-05</a>

<a name="timeslot" format="text">PM</a>

</block>

<block>

<a name="date" format="date">2020-10-06</a>

<a name="timeslot" format="text">AM</a>

</block>

<block>

<a name="date" format="date">2020-10-06</a>

<a name="timeslot" format="text">PM</a>

</block>

</block>

<status no="0"/>

</Response>