

BDUK Broadband Delivery Project

Isle of Wight Mapping Methodology
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V 1.0

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APPLICANT INFORMATION Project Name: Next Generation Broadband for the Isle of Wight

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1. Introduction

- 1.0 This document has been prepared to support the Isle of Wight Council's Rural Broadband project assurance process and to allow suppliers to understand how the maps provided were produced.
- 1.1 This document has been prepared pre Open Market Review and will be reviewed to ensure that the most relevant data is made available to participants in accordance with BDUK procurement requirements and State Aid Compliance.

2. Data

- 2.0 The Isle of Wight is covered by the following set of 5 digit postcodes as set out in OS Codepoint with polygons data October 2012 release.

PO30 1	PO33 2	PO37 6
PO30 2	PO33 3	PO37 7
PO30 3	PO33 4	PO38 1
PO30 4	PO33 9	PO38 2
PO30 5	PO34 5	PO38 3
PO30 9	PO35 5	PO38 9
PO31 7	PO36 0	PO39 0
PO31 8	PO36 6	PO40 0
PO32 6	PO36 8	PO40 9
PO33 1	PO36 9	PO41 0

- 2.1 The Priority Area is defined as all of these postcodes that form the Isle of Wight and the priority is to achieve 2Mb/s as a minimum, right across the Island by 2015 and to achieve super fast broadband at a minimum of 24Mb/s for over 90% of all premises on the Island by 2015.

3. Business Premises

- 3.0 A list of Business was obtained from Companies House. This information is provided within an Excel file called SIC codes from Companies House.
- 3.1 The business premises data is referred to later within this documentation.

4. Mapping

4.0 The Isle of Wight Council uses ARCGIS10 as its mapping software system.

4.1 The boundary of the Isle of Wight was plotted using the Lower Super Output Areas. This is referred to in the ARCGIS map as Local_LSOA_boundaries_region_Nov

4.2 The postcode information OS Codepoint release October 2012 was added to the map in two formats:

- IOW_Postcode_Area_Oct_2012
- Postcode_Points_Oct_2012

4.3 An intersection was run between the Codepoint information and the Local_LSOA_boundaries_region_Nov to produce only the postcodes that were relevant to the Isle of Wight. This is located within the map as:

- Postcode_Points_Oct_2012

4.4 To the map a separate layer (provided by BDUK) of local postcodes to cabinet mapping was added as follows:

- Local_Postcode_to_cabinet_mapping_font_point_Nov

4.5 An intersection was run between this layer and the LSOA to produce only the postcode to cabinet mapping information relevant to the Isle of Wight. This is located within the map as:

- Lcl_Pstcd_to_cabinet_mapping_LSOA_intersect_Nov

4.6 From this information an initial query was run using Map Info Professional 10. This was achieved by converting the .shp file into a .tab file using the Universal Translator contained within the Map Info software.

4.7 Within Map Info the query BGW map range.qry was run and the table was exported.

4.8 The table was saved as a .csv file so that it could be incorporated within the ARCGIS software.

4.9 Separate columns were added to the Postcode_Points_Oct_2012, one for Basic Broadband (BB) and one for Next Generation Access (NGA) and the following data was added to each postcode manually with the following identification:

- 0 = White

- 1 = Grey
- 2 = Black

4.10 Two additional layers were then added to the map, one for basic broadband and one for next generation access. These layers were based on the Postcode_Points_Oct_2012 layer and projected the relevant numerical code assigned following running the query.

5. Dataroom postcodes and premises template

5.0 Each separate 5 digit postcode was then analysed to identify the following:

- Total premises in postcode
- Number of residential premises
- Number of business premises

5.1 This information was taken from the Codepoint data and excluded from the total were any PO Boxes.

5.2 At Pre OMR the data that is being used has not been cleansed to remove any multiple premises such as hotels, hospitals or military sites.

5.3 In accordance with the aims of this programme for Basic Broadband if a postcode does not have 100% coverage of Basic Broadband then the aim is to intervene and therefore those postcodes have been set as White Intervention areas and as such it is intended that those postcodes that do not have basic broadband currently will be upgraded.

5.4 In accordance with the aims of this programme for Next Generation Access if a postcode does not have 90% coverage of Next Generation Access then the aim is to intervene and therefore those postcodes have been set to White Intervention and as such it is intended that those postcodes that do not have NGA will be upgraded.

5.5 A copy of the speed and coverage template pre-OMR is included with these documents.

5.6 Within the number of business premises is the total number of premises taken from the Codepoint data. At this stage this has not been cross referenced to the SIC code data provided by Companies House.

5.7 Further reviews of this data will be incorporated into the Post OMR mapping taking into consideration responses given by providers.