Orkney Digital Forum

Broadband Update
27th October 2023

Duncan Nisbet
Stakeholder Director

Scottish Government Policy Context

Over £1 billion of public funding has already been invested to transform Scotland's rural, remote and island communities in terms of digital connectivity
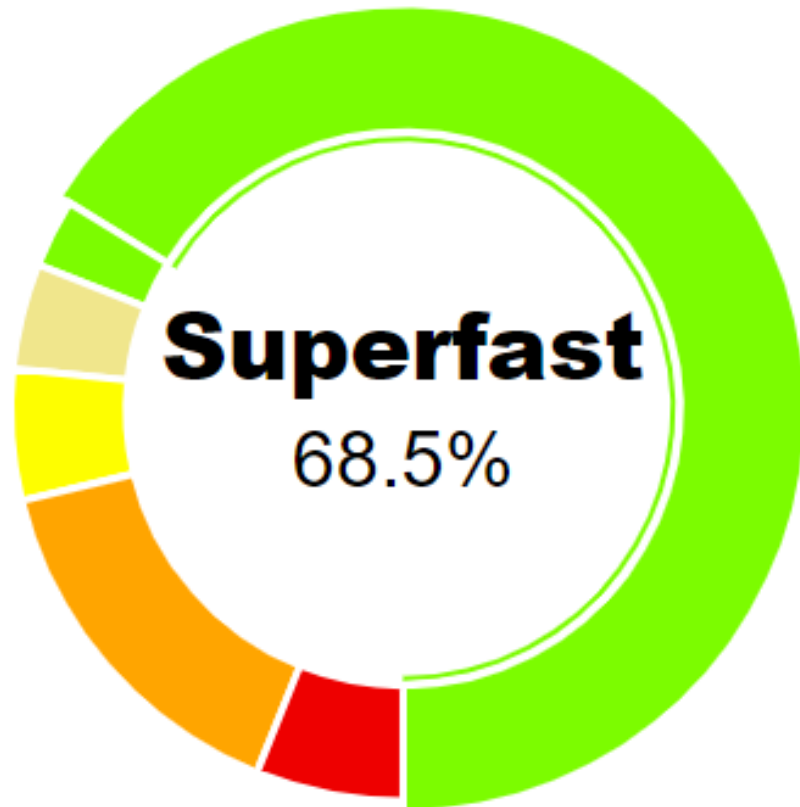
Scotland has received £28.5 million to date of UK Government Project Gigabit

We want to ensure that Scotland receives its fair share of Project Gigabit funding and that there is a flexibility of approach given the more challenging nature of Scotland's geography and topography

Our 10-year National Strategy for Economic Transformation (NSET) sets out the ambition to provide an efficient and resilient digital infrastructure, including continued investment in improved broadband and fibre

The principle of 'No One Left Behind' is central to Scottish Government's joint Digital Strategy with COSLA – which sets out our commitment to build a Scotland where geography, background or ability is not a barrier to getting online and benefiting from digital technology and the need to maximise gigabit investment in Scotland

Current Broadband Coverage

Superfast
68.5%

Superfast (>24 Mbps):	**70.62%**
Superfast (>=30 Mbps):	**68.45%**
Gigabit (DOCSIS 3.1 or FTTP):	**5.44%**
Full Fibre (FTTP or FTTH):	**5.44%**
Alt Net FTTP: FTTP excluding Openreach, KCOM and Virgin Media RFOG	**0.00%**
Openreach FTTP:	**5.44%**
'Fibre' partial/full at any speed: (FTTC/VDSL/G.fast/Cable/FTTP)	**83.99%**

Below 2 Mbps down:	**5.64%**
Below 10 Mbps down: (Legal USO)	**20.69%**
Below 10 Mbps, 1.2 Mbps up:	**23.90%**
Below 15 Mbps: (High Speed Broadband)	**25.57%**
Ultrafast (>100 Mbps):	**5.44%**
Virgin Media Cable:	**0.00%**
Openreach (>30 Mbps):	**68.45%**
Openreach G.fast:	**0.00%**

Source: thinkbroadband.com 26th October 2023

Scottish Government
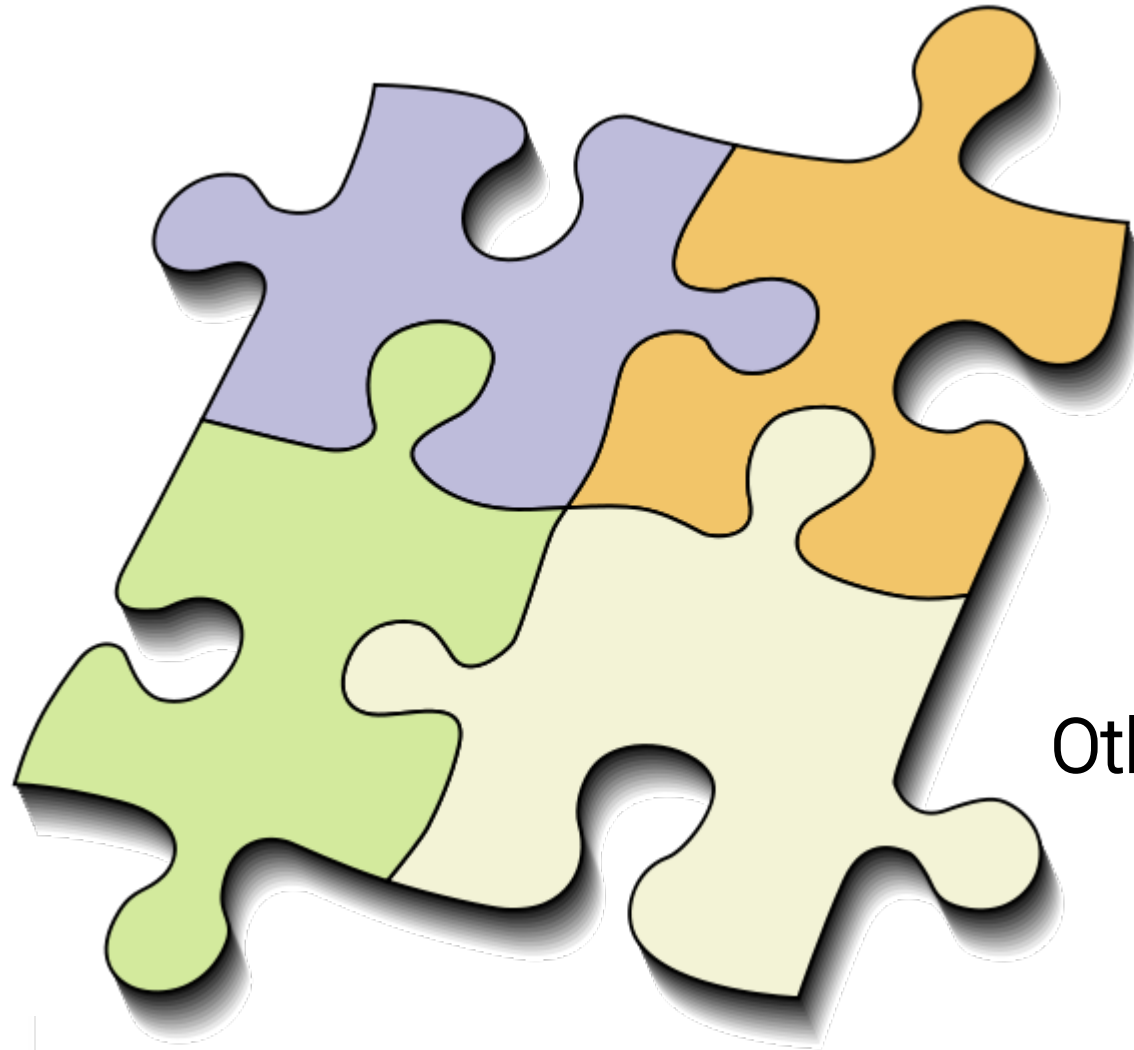Riaghaltas na h-Alba
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Reaching 100%
Digital Scotland

100% Jigsaw

Commercial

R100 Contracts

Scottish Broadband
Voucher Scheme

Other Initiatives

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Reaching 100%
Digital Scotland

Reaching 100%
Digital Scotland

October 2023

Scottish Government
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OVER 40K
Homes and businesses now able to access faster broadband thanks to R100

OVER 3,500
Premises have used the R100 Scottish Broadband Voucher Scheme

OVER 1,000
Openreach engineers and their build partners working on the R100 contracts

WANLOCKHEAD
R100 build underway in Scotland's highest village

50%
SOUTH
50% of premises in the South R100 contract have been delivered

7 MILLION
Metres of cable laid so far this year

ISLAND BUILD
Build is underway on Lismore, Yell, Fair Isle and the Shetland and Orkney mainlands - some of the the first islands to utilise the R100 subsea cables
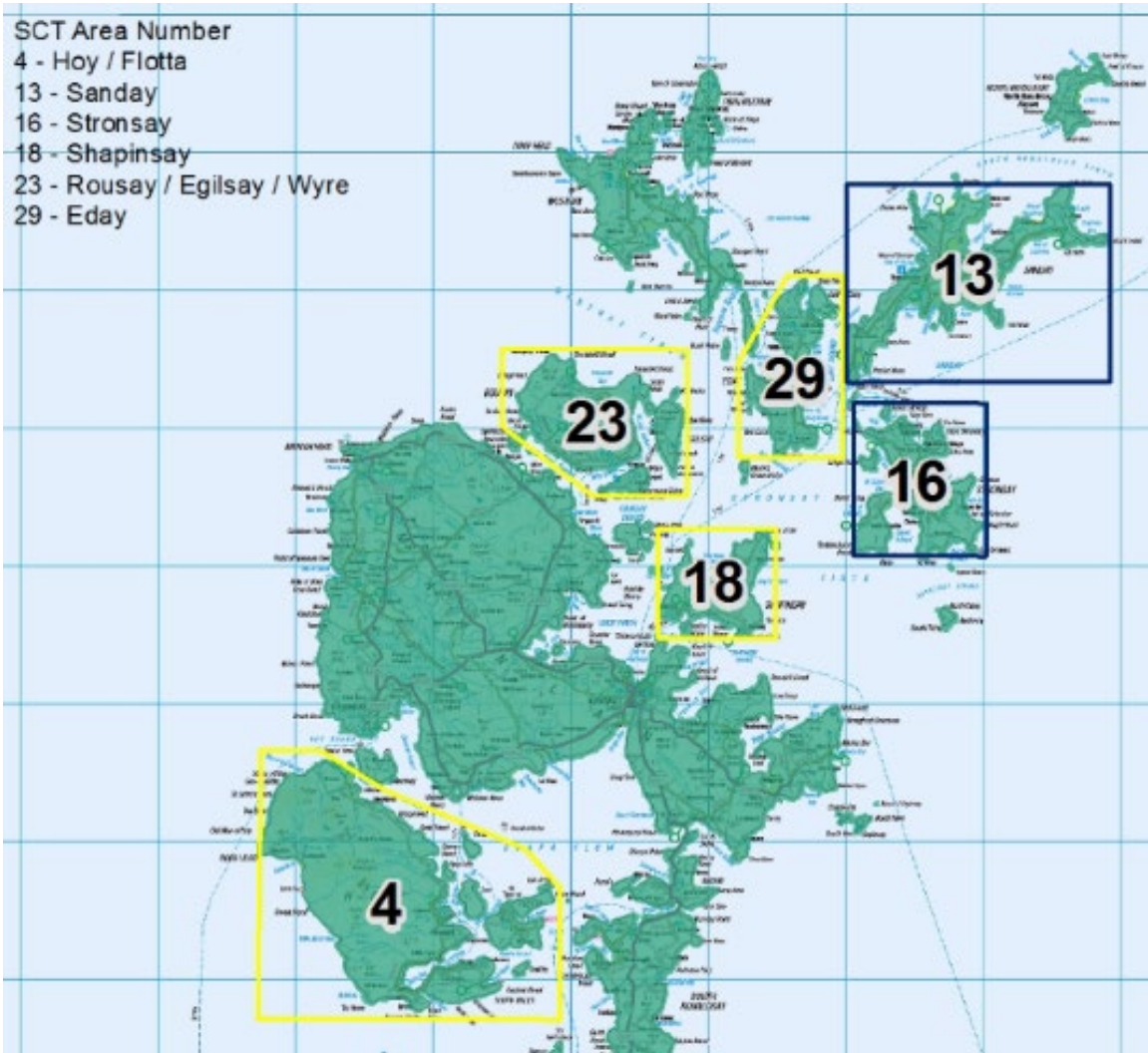
224KM
Of subsea cables laid to 15 islands

Find out more at **scotlandsuperfast.com**

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Island Connectivity – Procurement Requirements

SCT Area Number
4 - Hoy / Flotta
13 - Sanday
16 - Stronsay
18 - Shapinsay
23 - Rousay / Egilsay / Wyre
29 - Eday

Procurement Requirements	Island Groups
Mandated	Sanday Stronsay
Weighted	Hoy/Flotta Shapinsay Rousay/Egilsay/Wyre Eday

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Sub-Sea Cables

New Cable Routes

Orkney Mainland – Rousay

Orkney Mainland – Shapinsay

Westray – Eday

Eday – Sanday

Sanday – Stronsay

Sanday – Fair Isle

South Ronaldsay – Flotta

Flotta - Hoy

* Note Orkney Mainland – Westray delivered by DSSB

R100 Subsea Broadband Deployment

Yell – Unst
Shetland – Yell
Sanday – Shetland
Fair Isle branch
Westray – Eday
Eday – Sanday
Sanday – Stronsay
Shetland – Whalsey
Orkney – Rousay
Orkney – Shapinsay
Hoy – Flotta
Flotta – South Ronaldsay
Eigg – Mainland
Mainland – Lismore
Colonsay – Mull
Iona – Mull
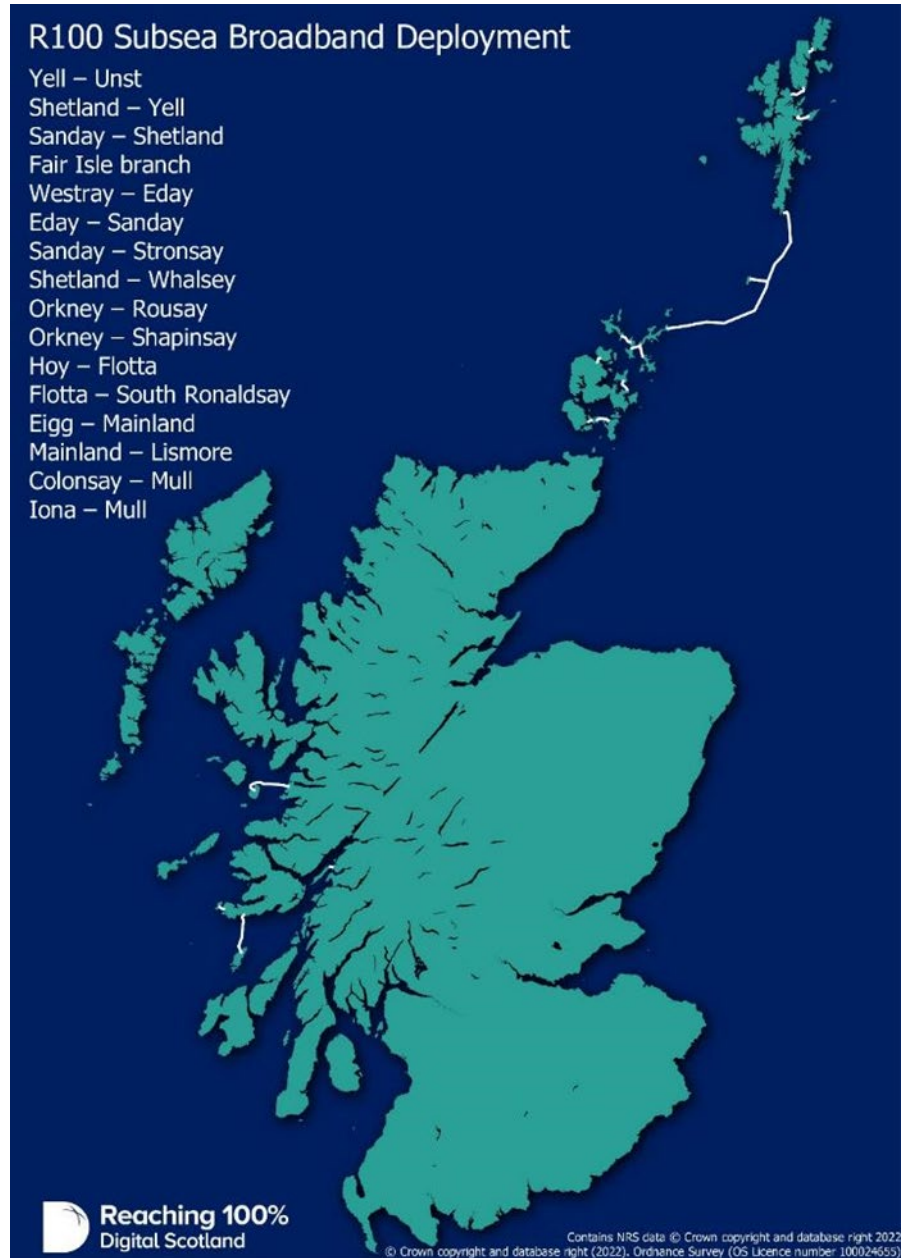
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R100 Programme: Contract Extensions
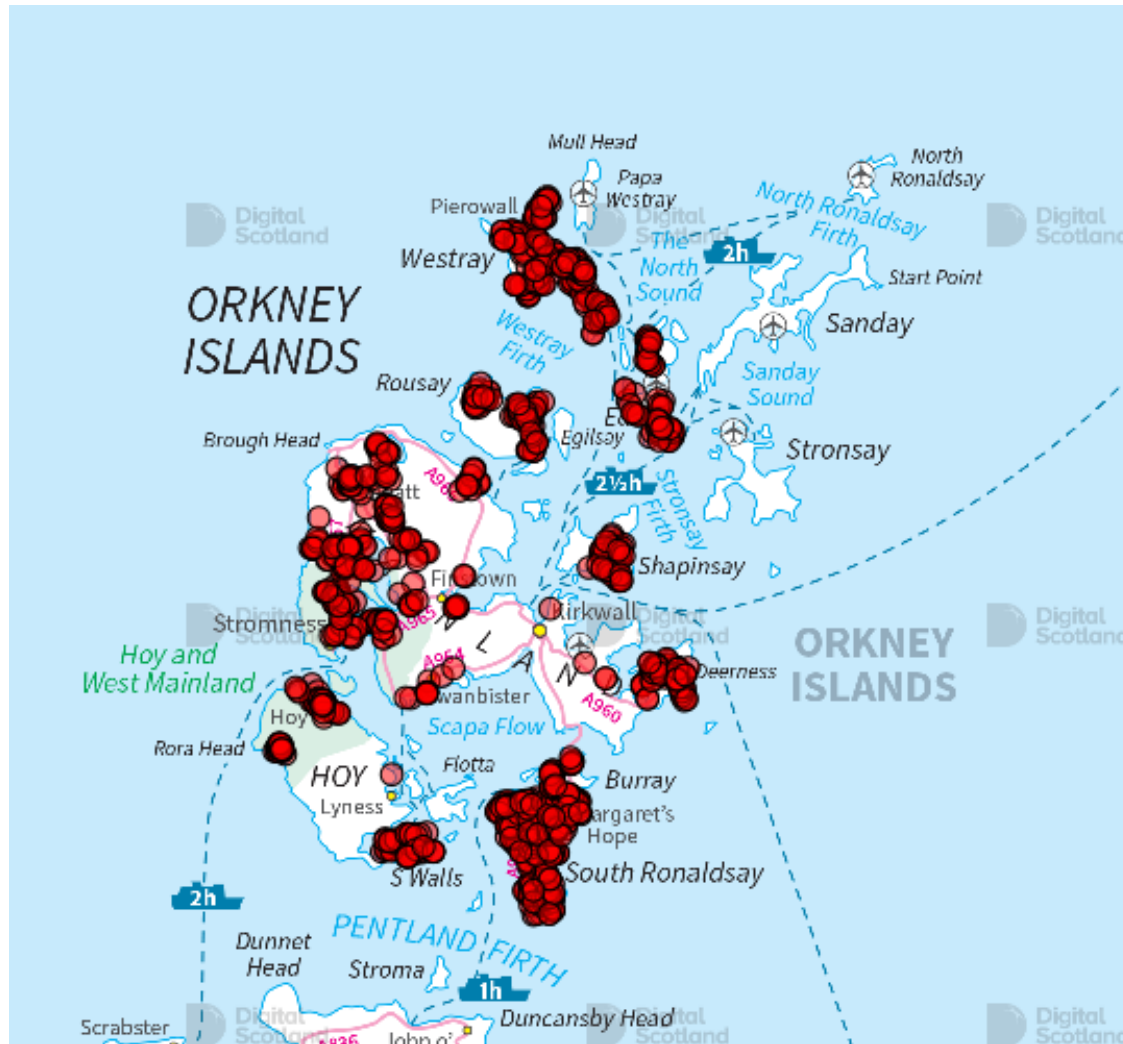
£36M Additional Funding

- £20M Scottish Government
- £16M UKG Project Gigabit

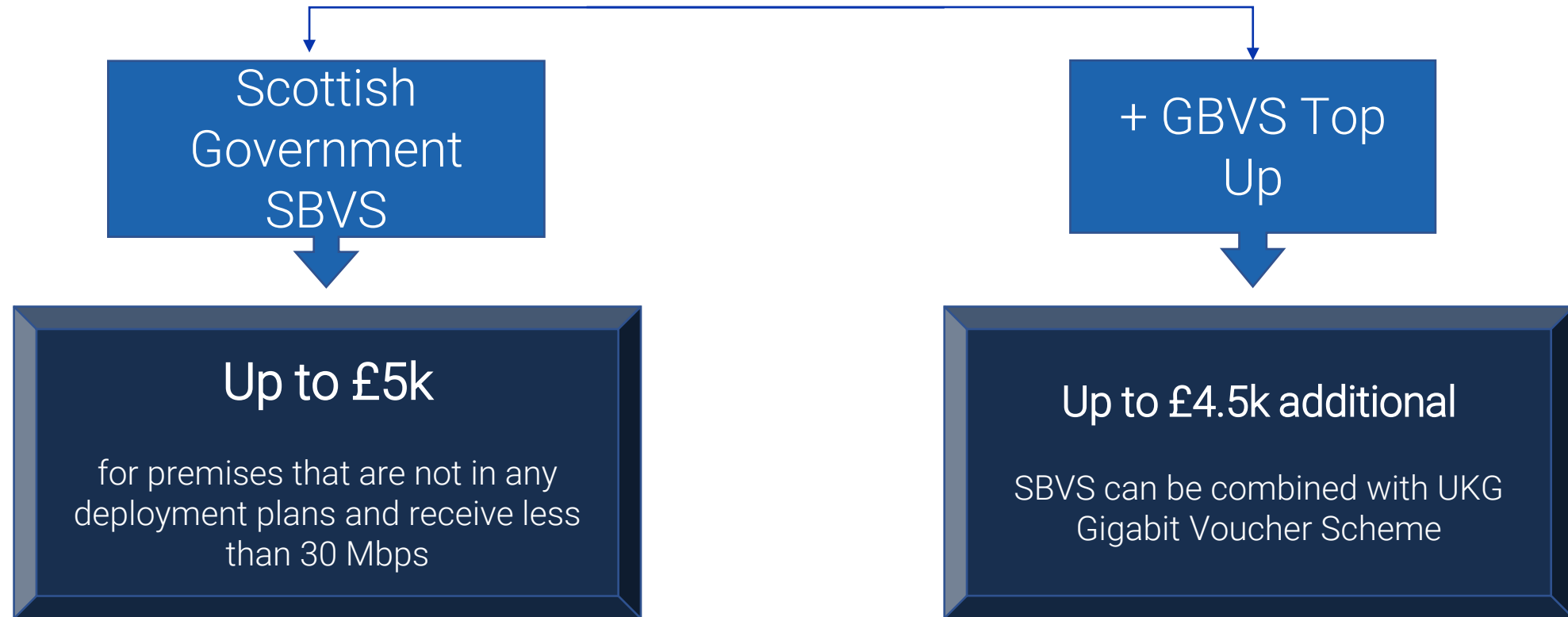**~1,500 additional premises for North lot (1,151 Orkney Islands)**

- 1,149 South

Revised Deployment Plan

- North extends to March 2028
- South extends to March 2025

R100 Scottish Broadband Voucher Scheme

Scottish Government SBVS

+ GBVS Top Up

Up to £5k

for premises that are not in any deployment plans and receive less than 30 Mbps

Up to £4.5k additional

SBVS can be combined with UKG Gigabit Voucher Scheme

42 registered suppliers nationwide – 8 active across Orkney Islands

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R100 Programme: Staying Updated
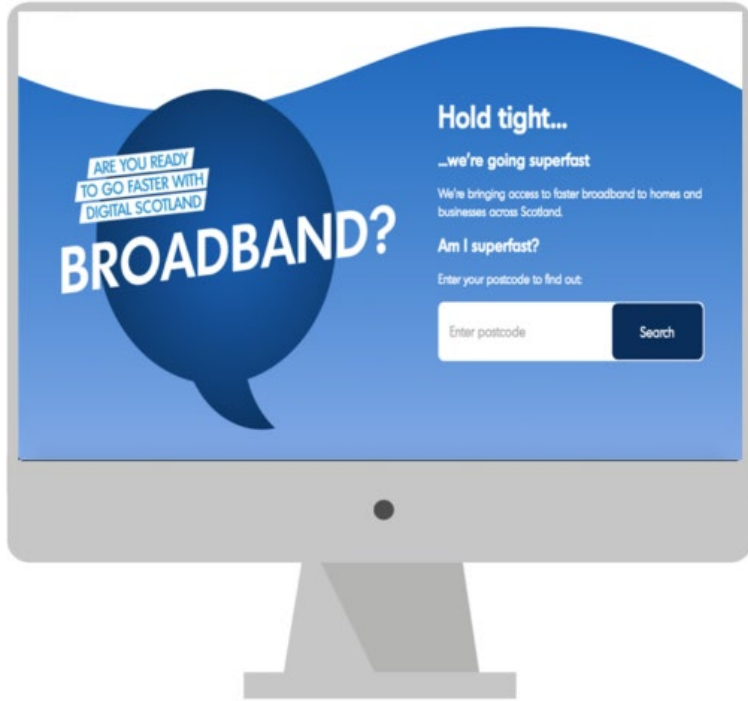
Follow us on Twitter @DigConnectScot and on our website www.scotlandsuperfast.com

Website Update

- Address-based search
- R100 Status including voucher eligibility where applicable
- Enquiry form and FAQ
- Programme updates
- Case studies

www.scotlandsuperfast.com
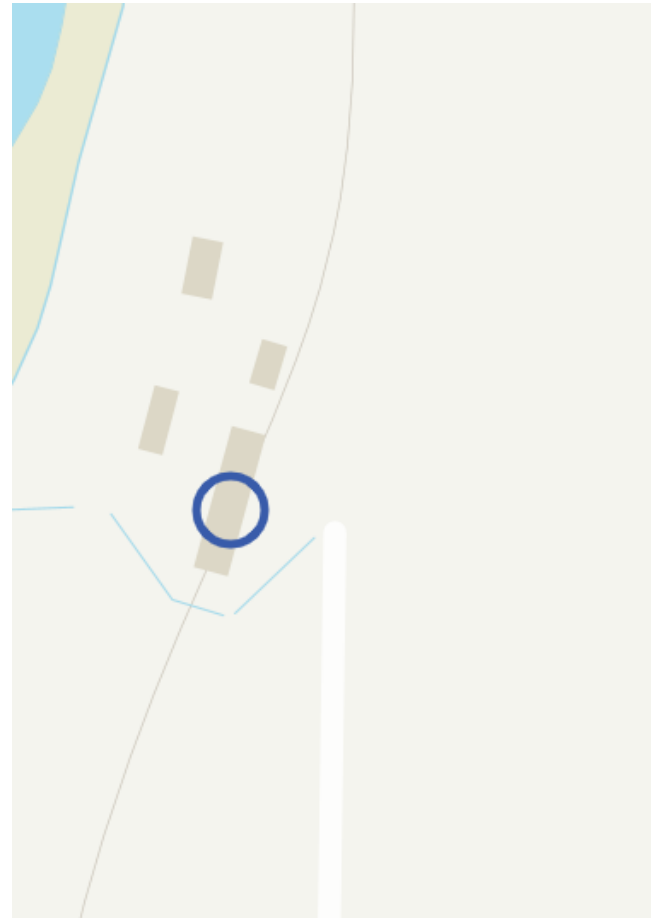
Furrow End, Balfour, Orkney

A new superfast connection is being built in your area. It's part of the Scottish Government's Reaching 100% (R100) superfast broadband programme.

Based on the current engineering schedule your address is in scope to receive its superfast connection by the end of September 2024.

The new connection will mean your address can get faster internet speeds. That'll make it easier to video call loved ones, watch shows online, work from home and more.

What's coming?

All of the planned R100 build in the South and North, and the vast majority in Central, will be gigabit capable – this is more than 30 times faster than the original Scottish

R100 Website: Voucher Guidance

Apply to SBVS

To apply for the R100 Scottish Broadband Voucher Scheme you need to liaise with one of our registered suppliers. Here's how to do it (desktop users click to expand images):

View the PDF version

When a supplier contacts you

If a registered supplier contacts you about using your voucher to supply you with a broadband service, here's what to do (desktop users click to expand images):

Fixed Wireless Access using 4G or 5G

Satellite Broadband

R100 Website: News & Case Studies

Deploying broadband on Scottish islands

Building broadband infrastructure on our islands is a key component of the Reaching 100% (R100) programme, but it presents a number of logistical challenges to overcome which I'll dip into in this blog.


R100 Scottish Broadband Voucher Scheme continues to make a difference across Scotland

Monday, 10 October 2022

A fast, reliable broadband connection remains key to our home and working lives.

The Scottish Government's Reaching 100% (R100) programme is enabling access to superfast broadband through three strands of activity – the R100 contracts, the Scottish Broadband Voucher Scheme (SBVS) and continued commercial coverage.
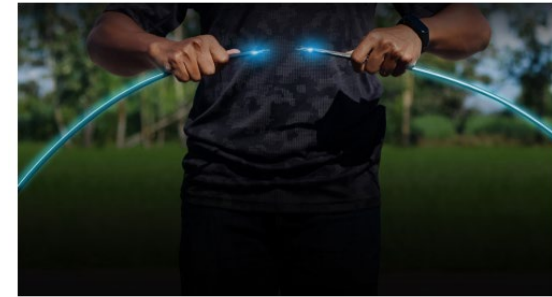
Delivering faster internet

Friday, 19 August 2022

Full fibre broadband network extended

More rural homes and businesses will access faster broadband following a further £36 million expansion of the Reaching 100% (R100) contracts.

R100 Programme: Orkney Islands

R100 Contract Build

R100 Contract Properties	Properties Surveyed	Properties in-build	Properties Delivered
3,320	1,215	707	**746***

SBVS Build

Eligible Properties	Total Vouchers	Vouchers Delivered	Vouchers in Build	Vouchers Requested
943	152	79	28	45

GBVS Build

Eligible Properties	Total Vouchers	Vouchers Delivered	Vouchers in Build	Vouchers Requested
-	-	3	-	-

Data: valid at 30 September 2023
*: incudes overspill

R100: Current Indicative Build Timescales

Island Build Logistics

Infrastructure build on the islands presents a number of challenges, including:

- Transportation of plant and materials to the islands

- Identifying suitable site compounds for the safe storage of plant and materials during work

- Identifying suitable work areas close to rolling build programme for plant and materials

- Maximising use of local sub-contractors/workforce

- Seeking accommodation for workforce
  - Looking at providing a floating accommodation unit which then needs safe berth and suitable landing points

- Maximising build at each location

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Reaching 100%
Digital Scotland

UK Government Initiatives
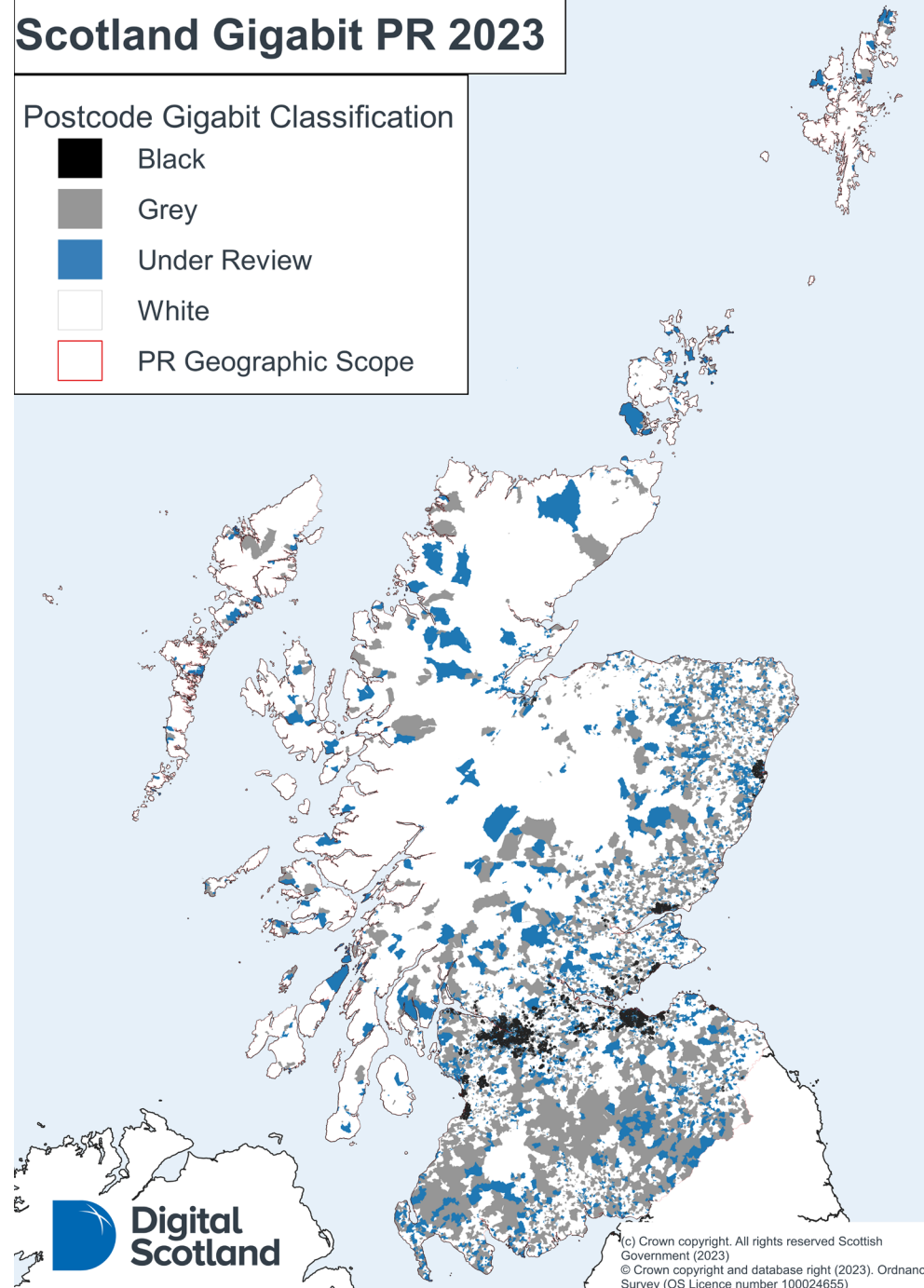
Project Gigabit Intervention Area

Scotland Gigabit PR 2023

Postcode Gigabit Classification
- Black
- Grey
- Under Review
- White
- PR Geographic Scope

Future Gazing

Q&A

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