# Superfast Fibre Broadband rollout for Argyll and Bute
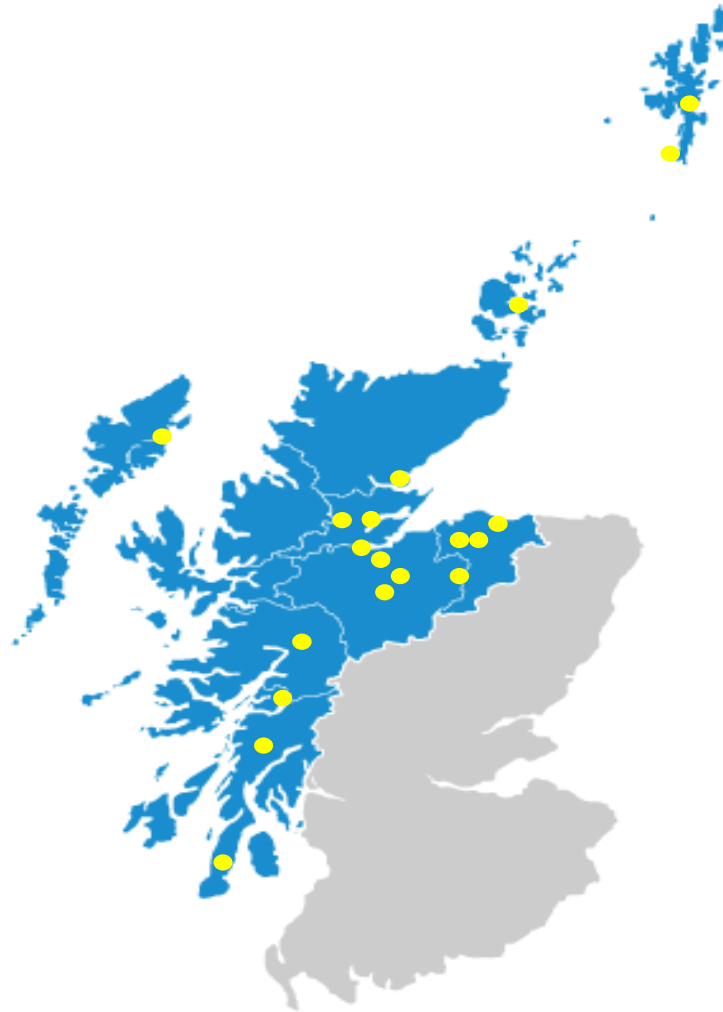
July 2015

# Next Generation Broadband Rollout Objectives

- Scottish Government's target is for Scotland to be a world class digital nation by 2020

- National aim to deliver fibre broadband to 85% of premises by end of 2015 and 95% of premises by end of 2017.
    - Argyll and Bute coverage reaches 85% by end of 2017 ( combination of H&I Project and SG)

- Across Scotland £410m of public and private investment by Scottish Government, BDUK, HIEBT

- Exploring opportunities to extend coverage – Innovation Fund, Community Broadband Scotland

- Range of assistance to ensure we maximise the opportunities that superfast broadband brings

- Current project is focussed on maximising coverage based on the available funding

# Lighting up H&I

- Over13,000 homes and businesses are now able to access fibre broadband through the Digital Scotland Programme and commercial rollout from BT

- Deployment commenced in 9 exchange areas with a further 8 scoped by the Autumn of 2015

- More than 200 km of backhaul and subsea cabling completed.

- Deployment in 2016 will be extensive and address coverage to smaller population centres.

# Where are the backhaul routes.

Moleplough of 4 way direct in ground sub duct on Jura

- **10 Subsea** Cables in the Argyll & Bute area are as follows, 91km subsea

- **8 Land Based** cables in the Argyll & Bute area are as follows, 112km

| A end exchange name | B end exchange name | Total Sheath KM |
|---|---|---|
| Campbeltown | Shiskine | 12.1 |
| Jura | Port Askaig | 28.1 |
| Rothesay | Toward | 6.8 |
| Kilfinan | Lochgilphead | 12 |
| Kilchattan Bay | Millport | 2.6 |
| Glenbarr | Port Ellen | 3.7 |
| Jura | Ormsary | 1.6 |
| Craignure | Oban | 9.3 |
| Kilchoan | Tobermory | 5.5 |
| Dervaig | Scarinish | 9.1 |

| A end exchange name | B end exchange name | Total Sheath KM |
|---|---|---|
| Lochgilphead | Tarbert | 22.3 |
| Kilfinan | Tighnabruaich | 16.9 |
| Glendaruel | Tighnabruaich | 15.99 |
| Innellan | Toward | 4.09 |
| Clachan | Tayinloan | 12.26 |
| Bowmore | Port Askaig | 13.72 |
| Glenbarr | Tayinloan | 9.52 |
| Aros | Tobermory | 17 |

Digital Scotland Superfast Broadband

BT

# Argyll and Bute – what's the current plan.

**There are 77 Exchanges across the region serving circa 50K homes that form part of the Digital Scotland programmes – current plans including BT's commercial deployment would deliver circa 85% coverage across the region by the end of 2016**

Exchanges Accepting Orders, with additional coverage expected within during 2015 and 2016

| |
|---|
| Campbeltown |
| Cardross |
| Dalmally |
| Dunoon |
| Helensburgh |
| Lochgilphead |
| Oban |
| Rothesay |
| Taynuilt |

*NB – Dunoon, Oban, &Helensburgh are predominantly delivered by the BT commercial rollout, although not exclusive.*

The Following Exchange areas are now "Coming Soon" and anticipated to see a level of coverage commence by the Autumn

| |
|---|
| Balvicar |
| Clynder |
| Connel |
| Craignure |
| Innellan |
| Kilmelford |
| Ledaig |
| Rhu |

The Following Exchange areas are planned and in scope for a level of coverage phased through 2016 subject to survey

| | |
|---|---|
| Appin | Kilfinan |
| Ardentinny | Kilmartin |
| Aros | Kilmore |
| Barbreck | Kilmun |
| Bowmore | Lochgoilhead |
| Cairndow | Luss |
| Carradale | Machrihanish |
| Clachan | Minard |
| Colintraive | Port Askaig |
| Coll | Port Charlotte |
| Crinan | Port Ellen |
| Dervaig | Portnahaven |
| Ford | Scarinish |
| Furnace | Southend; |
| Garelochead | Strachur |
| Glenbarr | Tarbert |
| Inveraray | Tayvallich |
| Jura | Tighnabruaich |
| Kilchattan Bay | Tobermory |
| Kilchenzie | Toward |

The Following Exchanges areas remain under evaluation but we are positively reviewing detailed plans to determine what coverage is possible, within existing budgets or with new funds..

| | |
|---|---|
| Achnamara | Kilninver |
| Bonawe | Lochavich |
| Gigha | Ormsary |
| Glendaurel | Skipness |
| Inveruglas | Tayinloan |
| Kilchrenan | Whitehouse |

A % of Premises within the following island communities form part of a the GigaPlus Argyll wireless project.

| |
|---|
| Colonsay |
| Iona |
| Islay |
| Jura |
| Lismore |
| Luing |
| Mull |
| Penninsula of Craignish |

*** - please note – our intention in any exchange area is to maximise the level of coverage to as many homes and businesses as is possible. The plans shown above are subject to continued survey and update.*
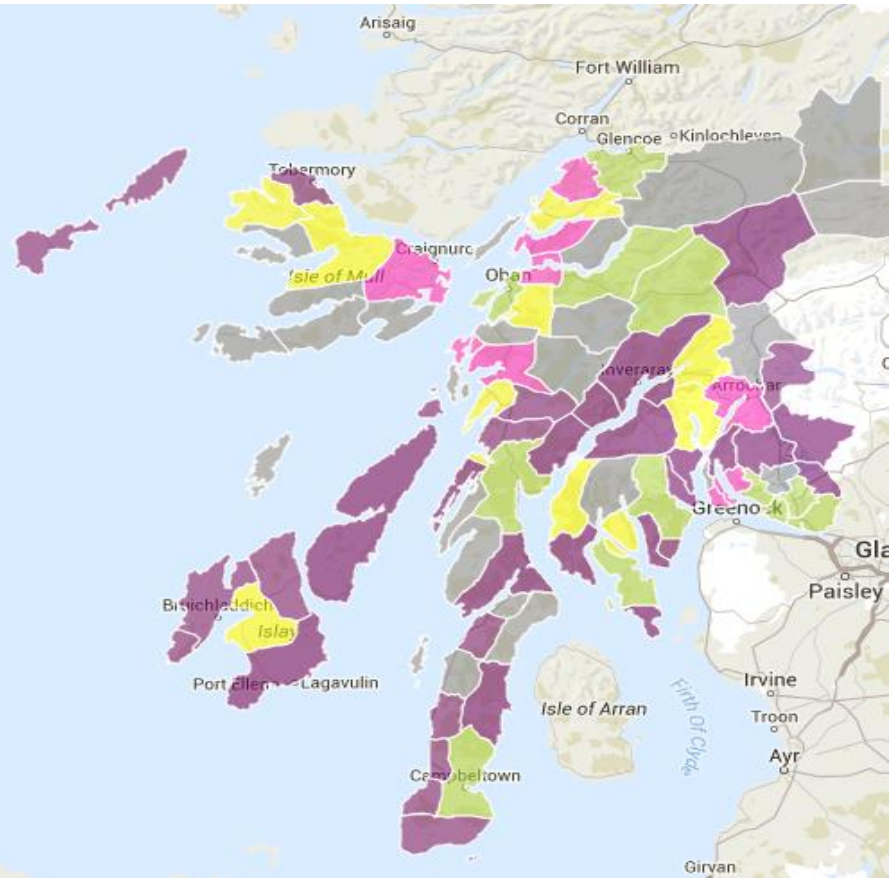
# Digital Scotland Website

The interactive postcode/telephone line checker Map launched in November 2014 , allows more detailed clarity of exchange area rollout plans.
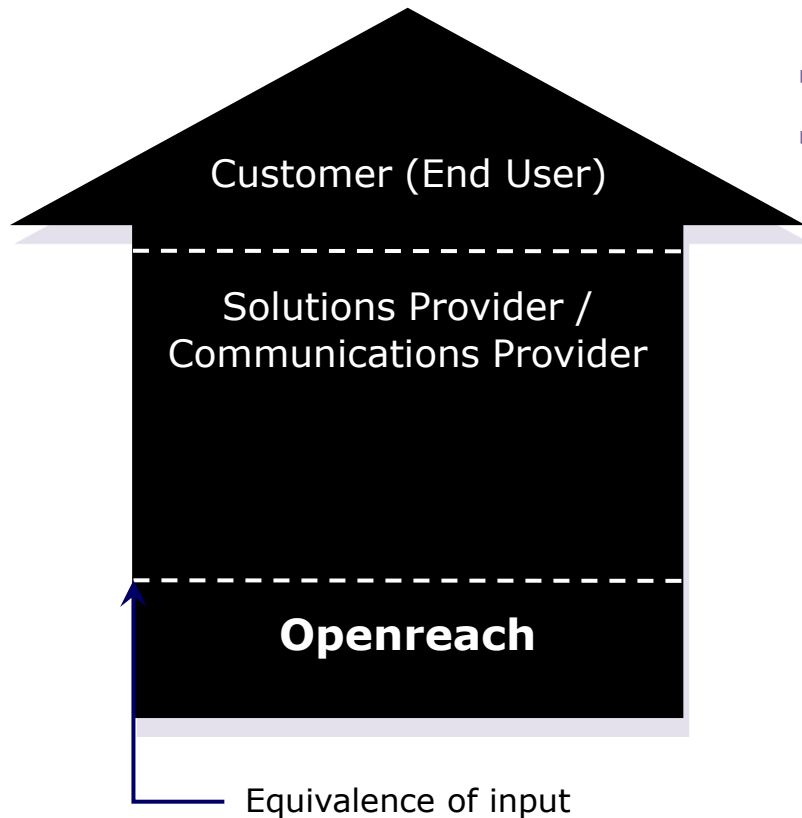


www.digitalscotland.org/whereandwhen

# Open Access Network



Customer (End User)

Solutions Provider / Communications Provider

**Openreach**

Equivalence of input

**The UK supply chain**

- Growth in demands for speed.
- We deliver Superfast Fibre Access capability to Communications Providers (CPs) at lowest practical economical point
  - Enable CP innovation & differentiation

# Summary : How does rollout impact Argyll and Bute?

✓ Anticipated to reach circa 85% coverage by the end of 2017.

　✓ - *driven by Digital Scotland programmes managed by HIE and SG and BT commercial deployment.*

✓ Rollout has already commenced with more than 13,000 homes and businesses in the region now enabled.

✓ Significant rollout to the main population centres has commenced during 2015

✓ The majority of Exchange areas across the region will have access to fibre coverage during 2016 – due to the backhaul and subsea programmes.

✓ Points of Ppresence (PoP) are live in Oban, Campbeltown and Dunoon with additional extended reach coverage available in Rothesay and Lochgilphead. This will bring access to Ethernet type products driving opportunities for economic development & inward investment opportunities to a wide range of business customers.

✓ Additional funds through the Superfast Extension Programme is currently under review with the aim of supporting improvement to fibre coverage right across the Highlands and Islands where possible.

✓ New technologies will be considered to address remaining gaps and deployed where additional funding is available.

# How do I stay up to date

- ✓ If you already have Broadband – visit your ISP website using their line checker to determine availability –
  - ✓ To get Fibre Broadband you will need to order it from your ISP.
- ✓ If you do not have Broadband, but don't know where to start – visit www.scotlandsuperfast.com or www.hie.co.uk/digital and find out more by registering to be kept in the loop.
- ✓ Information will be released via both the Scot Government and HIE social media accounts and additionally in the local press as further areas go live.

Twitter: @HIEScotland / @digitalscots

Facebook:www.facebook.com/highlandsandislandsenterprise

Websites: www.hie.co.uk/digital
www.digitalscotland.org