Connecting Devon and Somerset - Fast Start Event

14th March 2013
Dartington Hall
Totnes

Agenda

Connecting Devon and Somerset

- Welcome and Opening Remarks
- Programme Objectives
- Approach & Technology
- Deployment Phasing
- How you can help
- Q & A

Our Programme

Investment:

How much?

- £21m - Local Authority (Devon, Somerset and B&NES)
- £32m - Central Government
- £41m - BT
- Business/community engagement - funded by CDS with support from BT

Why Invest?

- Greatest step change to support economic growth
- Lack of adequate broadband cited as greatest barrier to growth for businesses in Devon and Somerset - 81% of businesses require faster broadband*
- 91% residents state they need improved connections*

* Based on responses to CDS' Demand Registration Survey

Our Programme

Programme Objectives:

- To deliver superfast broadband for all by 2020

- Drive economic growth across Devon & Somerset

- Support our communities and businesses:
  - Training 150 Broadband Ambassadors, supporting 3000 businesses
  - Training 150 community champions, supporting 3000 residents

- Support the delivery of public sector services

Supporting Objectives

- A world class broadband infrastructure for Devon and Somerset with the capacity, capability and scale to offer extensive coverage and services

- A sustainable and future proof fibre based broadband network which is open to all service and communications providers

- The deployment of fibre as far as possible. Increasing the delivery of high-speed fibre broadband to around 91 per cent of premises in Devon and Somerset by the end of 2016.

- A minimum of 2Mbps will be available for 100% of premises within the intervention area in Devon and Somerset.

Approach and Technology
BT Approach

- Fibre first, wherever possible to provide fibre broadband infrastructure for as many premises as possible
    - Typical provision order
        - Fibre to the Cabinet (FTTC)
        - FTTC using network rearrangement
        - Fibre to the Premise (FTTP)

- Following fibre broadband deployment, implement alternative solutions for the final few based on:
    - Having achieved the maximum fibre coverage possible, addressing those premises that are still sub 2Mbps
    - Meeting the Council's minimum basic 2Mbps objective
    - Using the best available in-fill technologies

- **Implement the Head-end** essential to connect Devon and Somerset to the national fibre infrastructure. In total 36 new Head-ends are planned to be implemented across both counties.

- **Implement Fibre Spines** which connect local areas to the nearest Head-end. There will be additional backhaul built with new strategic Fibre Spines to link exchanges and local spines to every cabinet.

- **Fibre to the Cabinet** connects premises using existing copper lines by installing a fibre cabinet on the Fibre Spine and connecting to the existing cabinet – over 1500 additional structures in new locations across the area.

- **Fibre to the Premise** fibre connects a premise directly to the spine network, independent of the copper network.

PLYMOUTH   SOMERSET   TORBAY   Bath & North East Somerset Council   BT   North Somerset   Devon County Council   Funded by: dcms

---

- Existence/condition of existing infrastructure, particularly ducts
- Costs and timings vary according to the type and quantity of infrastructure required
- Power requirements for cabinets - existing street cabinets don't require power, fibre street cabinets do and in rural areas this is more likely to be overhead
- Power requirements for Head-ends
- Broadband performance reflects proximity to existing cabinets
- Road closures more likely in rural areas as roads tend to be narrower
- Securing wayleaves e.g. for FTTP in multi-dwelling units

PLYMOUTH   SOMERSET   TORBAY   Bath & North East Somerset Council   BT   North Somerset   Devon County Council   Funded by: dcms

Deployment Phasing

- Contract signed 29 January 2013
- Eleven implementation phases with implementation completing late 2016
- Plan includes 2 economic (Bridgwater and East of Exeter) and 2 social (Torridge and West Somerset) priority areas which have been scheduled at the front end of the plan.
- 6 – 9 months average to survey, design and plan per phase. The survey and planning process has started.
- 3 – 9 months average deployment per phase. First cabs forecast to be deployed and first services available to businesses & residents by year end 2013.

NB. dates are subject to survey

PLYMOUTH   SOMERSET   TORBAY   Bath & North East Somerset Council   BT   North Somerset   Devon County Council   Funded by: srms

---

How You Can Help

- Communications
- Deployment Logistics
- Get Up To Speed

PLYMOUTH   SOMERSET   TORBAY   Bath & North East Somerset Council   BT   North Somerset   Devon County Council   Funded by: srms

How You Can Help

Get Up To Speed:

- Campaigns for:
  - Businesses and communities
  - Region-wide and shadowing deployment plan

- Your help:
  - To promote the campaigns
  - Business and community champions

Q&A Session
chaired by
David Hall – Deputy Leader of Somerset County Council