Connecting the nation:

A local government digital connectivity summit

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Connectivity in the Square Mile

• 10 independent fibre networks serving the City

• Several hundred ISPs / Connection Partners, providing dedicated leased lines at gigabit + speeds.

• Major capacity and coverage issues with mobile networks in the Square Mile

• Led to “Superfast City” programme to:
  ▪ encourage superfast broadband roll out
  ▪ promote “better connected buildings”
  ▪ improve mobile / wireless connectivity
Superfast City - Wireless

- Mobile networks in the City struggle with network coverage and capacity.

- Narrow streets, tall buildings and medieval street layout creates “street canyons”

- City of London Wireless Concession focussed on greater user experience to support agile working & Smart Cities.

- Will offer City owned street furniture and buildings for the housing of mobile / wireless broadband infrastructure.
City of London Wireless Concession - highlights

• CTIL successful bidder following 2 year public tender

• 15 year contract offering City owned buildings and street furniture for the housing of mobile / WiFi equipment – will generate over £18.5m revenue to the City of London.

• Will deliver a world leading gigabit WiFi network within 2017 – more advanced that New York’s WiFi network.

• 400 4G small cells by 2019 to provide enhanced mobile coverage at street level – first deployment of its kind in the UK.

• Will create attractive market conditions to ensure the City is early adopter of 5G.
Superfast City - Wired

- Working with providers to connect up areas not served by affordable superfast broadband

- Openreach installing 23 cabinets to connect 5000 premises with speeds of 80Mbps

- Working with FTTP providers to connect City owned multi-let office and residential buildings.

- Some SMEs not in clusters and in buildings with small number of tenants.

- Difficulty in encouraging private landlords to install better connectivity.
Superfast City – BT cabinets
Superfast City – Gigabit City Programme

City of London has launched a campaign that will bring affordable gigabit broadband connectivity to the Square Mile.

Additional resource will be provided to:

- Identify unserved areas in the Square Mile and disseminate to fibre providers.
- Encourage investment from fibre providers in providing gigabit broadband at an affordable price point.
- Engage landlords and tenants to undertake demand stimulation understand requirements and encourage take up.
- Understand and seek to overcome barriers to investment.
- Support network roll out facilitating timely agreement of street works permits / wayleaves.
- **BT Openreach BPON network / G.Network roll out – major steps forward**
Superfast City –BPON Phase 1
April – Sept 2017
Superfast City – BPON Phase 2
July – Dec 2017
Superfast City – G.Network roll out 2017
Superfast not so City – outlying estates

- City of London to connect outlying estates with fibre broadband
- Up to 5 operators per estate
- Lower priced broadband for tenants on low incomes or benefits
- Speeds up to 1 gigabit for up to 1500 flats
- Must be installed by 2018
12 steps for Local Authorities in delivering a Gigabit London

1) Dedicated resource
2) Standardised wayleave toolkit
3) Identify and overcome barriers to investment
4) Early starts for street works.
5) Local Plans should promote Wired Score
6) Non exclusive access to Social Housing estates
7) Wireless coverage roadmap
8) Local Authority owned buildings / concession
9) Pathway to 5G
10) Local planning policies should promote greater indoor mobile coverage
11) De minimis small cell unit
12) Small cells in facades of new development