



Building
Digital UK

Call Off 1 - West Berkshire, West and Mid Surrey, North Wiltshire & South Gloucestershire, Hertfordshire, Staffordshire and Lancashire

Call Off Schedule 2 (Tender)

GIGABIT INFRASTRUCTURE SUBSIDY

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COMMERCIALLY SENSITIVE – NOT FOR WIDER DISTRIBUTION



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Digital, Culture,
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1. Network Diagram

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1.2 Accuracy of, and Changes to the Network Design Proposal

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1.3 Description of Network Diagrams, and Interpretation

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1.4 Further Example network diagrams

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1.5 HTML whole-lot Network Diagrams

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2 Network Design and Data Network Topology – Layers 1-5

2.1 Specification of Key Network Elements: Active, passive equipment & Cable

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2.2 Specification of Headend and active components

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2.2 Specification of Network Components & Cables

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2.4 Specification of Network Cables

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2.5 Specification and layout of Active Network Elements – Subtended Headends

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2.6 Specification of Passive Network elements

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2.7 Specification of Exchange / Core Site terminations

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2.8 Specification of Fixed Wireless assets – N/A

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2.9 Rationale for deployment of solution components

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2.10 Meeting the Access Line Speed requirements

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2.11 Compliance with regulatory & Industry Standards (Joint Schedule 10) - Standards-Based Design

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2.12 Design parameters and management of Jitter, Latency & Packet Loss

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2.13 Radio and Interference planning

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3 Access Network

3.1 Specification of Physical External Infrastructure Assets: Open access for the Long term

3.2 Specification of Active Network Elements: High reliability upgradeable infrastructure

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3.3 Specification of Passive Network Elements: Longevity with the scale for full fibre

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3.4 Specification of Exchange Site Terminations: Carrier-Class deployment supporting multiple RSPs

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3.5 Specification of Fixed Wireless assets – N/A

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3.6 A description of Openreach's FTTP architecture and approach to delivering a costed network proposal for the Authority

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3.7 Dimensioning the built physical infrastructure: support of dimensioned IA premises and Network Access

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4 Backhaul and Core Networks

4.1 Backhaul Infrastructure design – Solution Overview

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4.2 BT & Openreach products for backhaul –Technology, Infrastructure & Design Parameters

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4.3 Dimensioning Capacity of the Backhaul & thresholds for increasing capacity – Interconnect at the Headend (OLT)

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4.4 Resilience in the Backhaul and Core

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4.5 National Network, and Data Centre connections

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4.6 Network & Traffic Management

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