

# BDUK Phase 3 Products (Phase 3 Segments and Cabinet Space)

## Product Overview



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### **BDUK phase 3 segments**

Communication Providers (CPs) will be provided access to interconnect at a flexibility point in the Openreach network where public funding has been taken.

The flexibility points are:

- Openreach Handover Point (OHP) i.e. headend location
- Subsidised network T-node joint closest to OHP
- Splitter node
- Connectorised Block Terminal (CBT)
- FTTC cabinet

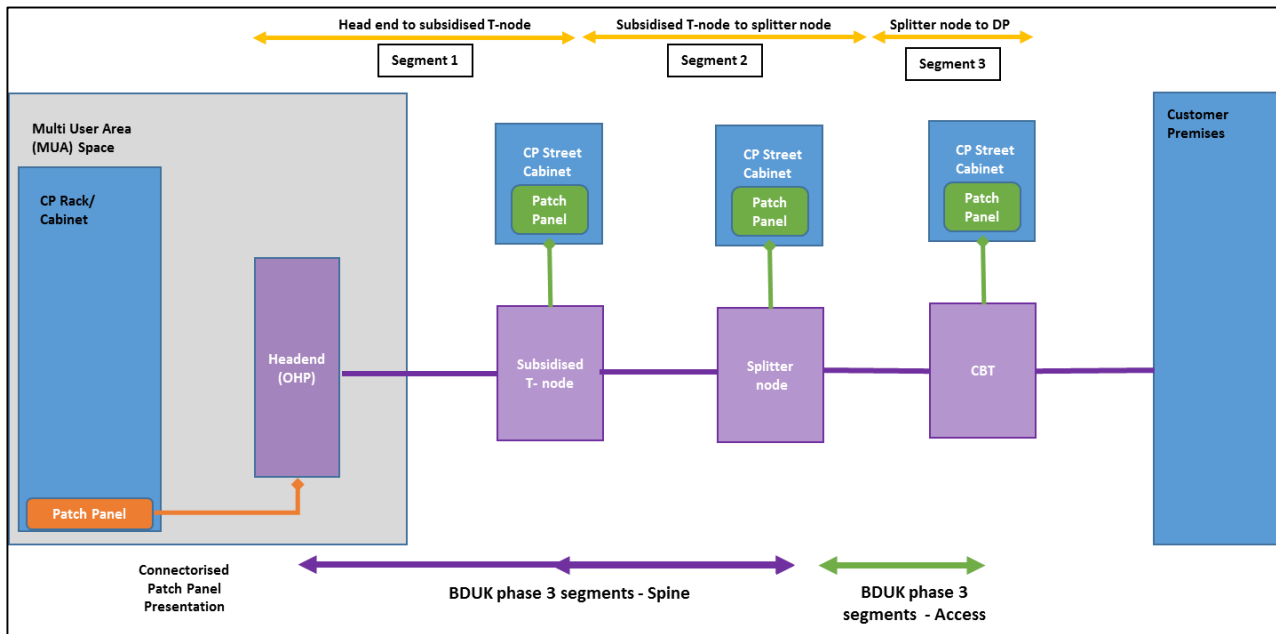
Access to at least one fibre per segment will be made available to each of up to 3 competing providers such that each CP could build an equivalent NGA network as Openreach, although each fibre and segment can be used by each CP on a full Open Access basis. A segment is defined by two end points, even if the routing of the fibres for multiple segments share a common cable. In which case the common cable would have sufficient spare fibres to support all of the segment requirements.

There are two BDUK phase 3 segments elements:

- **BDUK phase 3 segments *Access* variant**
- **BDUK phase 3 segments *Spine* variant** (available only where public funding has been taken for the relevant segment).

### **BDUK phase 3 cabinet space**

CPs can also request to take cabinet space if the request meets certain criteria i.e. this must be in locations adjacent to (subject to wayleave and consent considerations) any over ground enclosures containing active and optical equipment that have been built with BDUK Phase 3 funding.



## BDUK phase 3 segments – Access

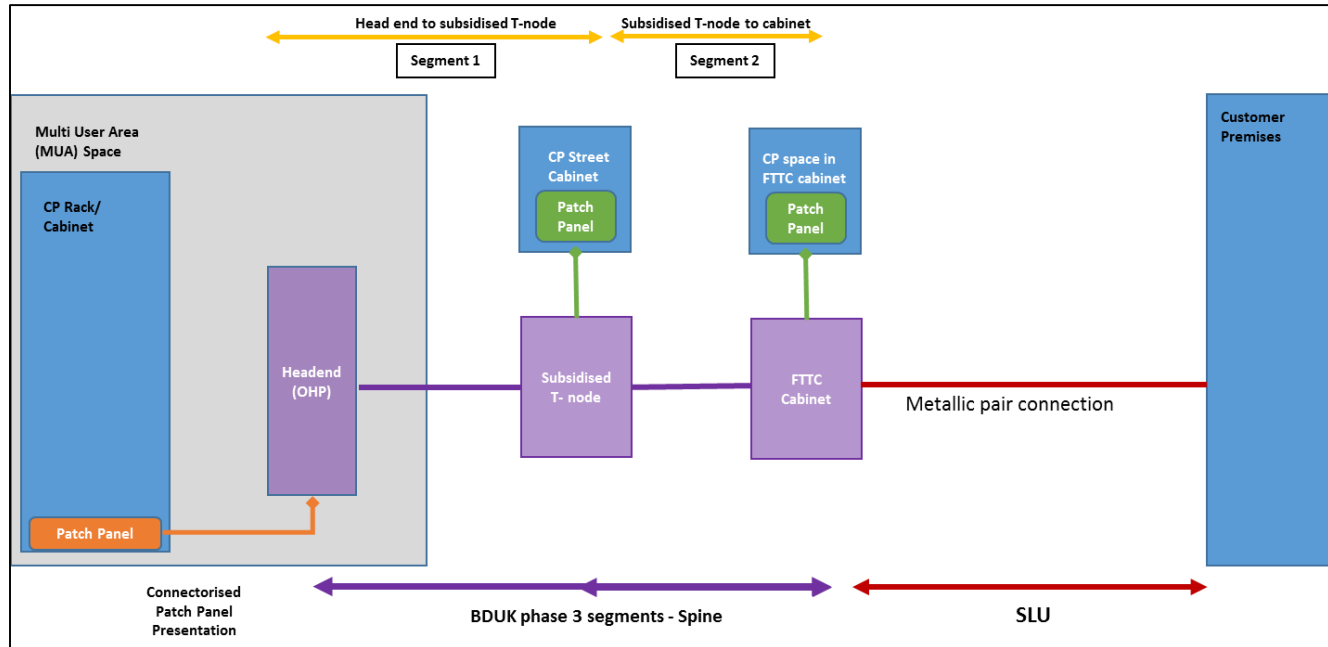
- Segment 3 in the diagram illustrates this variant. The Access variant can be described as the fibre connection from the splitter node to the CBT.
- The Access tail at the splitter node end will be connected to the appropriate segment 3 fibre and presented in a nearby CP owned street cabinet.
- The Access tail at the premise end will be connected to the other end of the segment 3 fibre at the CBT and presented in a nearby CP owned street cabinet.

## BDUK phase 3 segments – Spine

- Segment 2 in the diagram illustrates this variant, it could additionally include segment 1. Segment availability is dependent on whether public funding taken for that segment.
- The Spine tail at the splitter node will be connected to the appropriate segment 2 fibre and presented in a nearby CP owned street cabinet.
- The other end of the tail will terminate at one of the following locations:
  - ❖ **OHP:** connected to the appropriate segment 1 fibre at the OCR and connected to a CP patch panel in the Multi User Area (MUA).
  - ❖ **Closest subsidised T-node:** connected to the appropriate segment 2 fibre and presented in a nearby CP owned street cabinet.

# BDUK phase 3 segments product specification for FTTC

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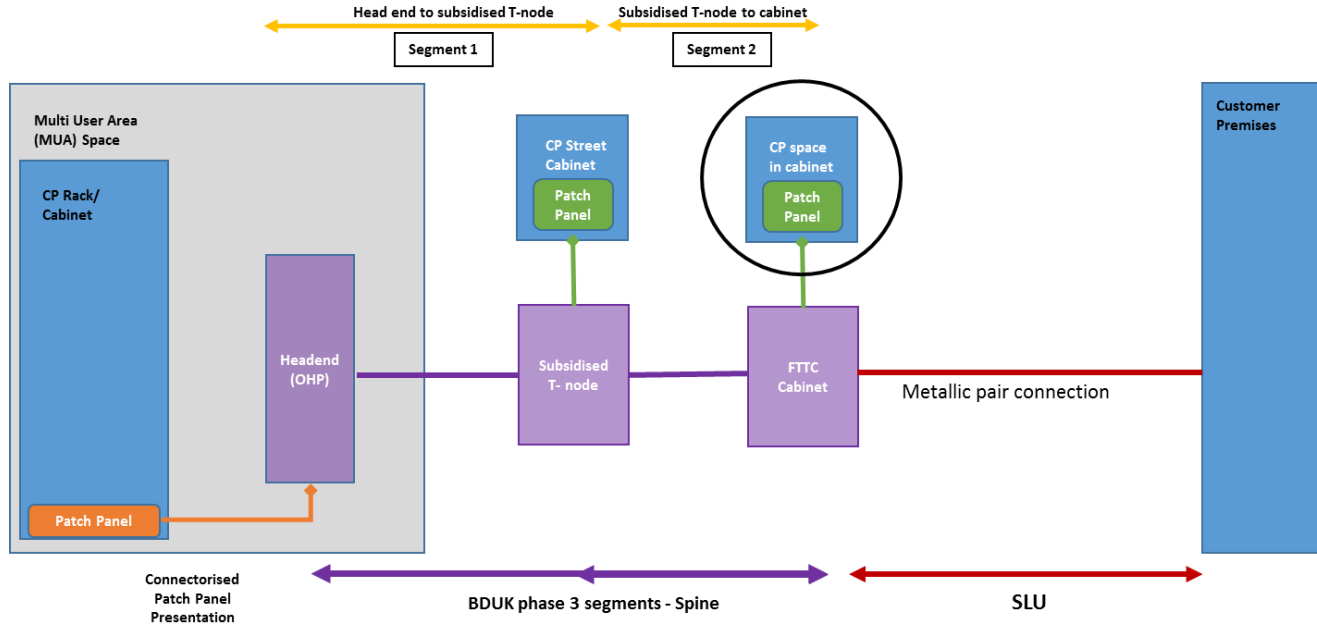


## BDUK phase 3 segments – Spine

- Segment 2 in the diagram illustrates this variant, it could additionally include segment 1.
- The Spine tail at the FTTC cabinet will be connected to the appropriate segment 2 fibre and presented in FTTC cabinet space.
- The other end of the tail will terminate at one of the following locations:
  - ❖ **OHP:** connected to the appropriate segment 1 fibre at the OCR and connected to a CP patch panel in the Multi User Area (MUA).
  - ❖ **Closest subsidised T-node :** connected to the appropriate segment 2 fibre and presented in a nearby CP owned street cabinet.

# BDUK phase 3 products - cabinet space

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## BDUK phase 3 cabinet space will:

- be available in locations adjacent to (subject to wayleave and consent considerations) any over ground enclosures containing active and optical equipment that have been built with BDUK Phase 3 funding;
- be able to be used with BDUK Phase 3 Products or can be purchased stand-alone if necessary.
- Provide space within an over ground enclosure with power connectivity similar to that which BT's uses for its own NGA network.

## Initial enquiry

1. The CP should contact Openreach to register their interest in BDUK phase 3 Products
2. Following the enquiry, Openreach will be able to provide a list of segments and/or FTTC cabinet locations (in the case of cabinet space) in the region of interest if applicable.
3. Openreach will provide a list to the CP.



## Pricing enquiry

1. Following the initial enquiry the CP may follow up with a pricing enquiry.
2. The CP should specify the segments of interest for BDUK phase 3 segments-Access and BDUK phase 3 segments-Spine variants. If Cabinet space is being taken the CP should specify which cabinet locations the CP would like cabinet space for.
3. Openreach will calculate pricing against the specified CP requirements and return it to the CP along with relevant standard business terms in the form of an offer letter. N.B. there is a separate offer letter for Cabinet Space to BDUK Phase 3 Segments.
4. If the CP accepts the offer and signs, the request will be processed as an order to fulfil the individual CP requirements at the agreed pricing subject to successful customer establishment. More information on the customer establishment process can be found on slide 9.

## BDUK phase 3 segments-Access/Cabinet Space

1. The CP accepts offer letter from Openreach.
2. Openreach will validate and confirm agreement to fulfil offer.
3. Estimated delivery dates will be provided in the offer letter. (This will usually not exceed 60 working days from point of offer acceptance for each fibre connection. This is subject to survey, the complexity of the requirement and provision of CP equipment where this is required).
4. CP owned street cabinets and Openreach interconnects will be built near the splitter node and CBT.
5. The Access tail at the splitter node end will be connected to the appropriate segment 3 fibre and presented in a CP owned street cabinet near the splitter node location.
6. The Access tail at the premise end will be connected to the other end of the segment 3 fibre at the CBT and presented in a CP owned street cabinet near to the CBT location.
7. Openreach will confirm delivery completion and provide optical performance data in accordance with the technical specification.
8. For cabinet Space sections 1, 2, 3 and section 7 apply.

## BDUK phase 3 segments-Spine

1. The CP accepts offer letter from Openreach.
2. Openreach will validate and confirm agreement to fulfil offer.
3. Estimated delivery dates will be provided in the offer letter. (This will usually not exceed 60 working days from point of offer acceptance for each fibre connection. This is subject to survey, the complexity of the requirement and provision of CP equipment where this is required.)
4. CP owned street cabinets /patch panels and interconnects will be built at/near the OHP, T-node, splitter node and FTTC cabinet locations as appropriate.
5. The Spine tail will be connected to the fibre at splitter node/FTTC cabinet and presented in either a nearby CP owned street cabinet or in Openreach provided cabinet space. The other end of the tail will terminate at one of the following locations:
  - OHP:** connected to the appropriate segment 1 fibre at the OCR and connected to a CP patch panel in the Multi User Area (MUA).
  - Closest subsidised T-node to OHP:** connected to the appropriate segment 2 fibre and presented in a CP owned street cabinet near the T-node location.
6. Openreach will confirm order completion and provide optical performance data in accordance with the technical specification.



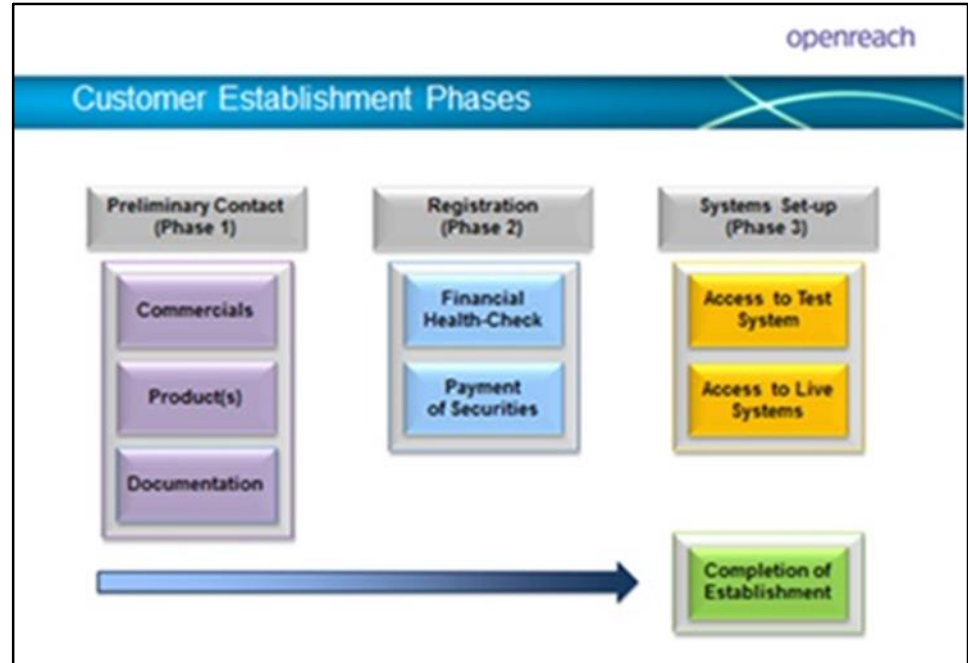
# Establishing with Openreach to purchase BDUK phase 3 products

The Customer Establishment process consists of 3 stages, Preliminary, Registration and Systems set-up. The level of complexity of progressing through the stages will be determined by whether you are a new or existing customer and your chosen method of connectivity.

New customers to Openreach will be asked to demonstrate that you meet the Ofcom requirement for a Public Electronic Communications Network/Service (PECN/S). To connect to our systems, you will need to meet certain computer configuration requirements and be required to provide a high level description of your business model and product requirements. This will consist of generic information of how your requirements will impact on Openreach – for example forecast information. For existing customers who have already completed the general establishment process, the process to add this product is likely to be far quicker, as most the general establishment activity will have been completed already.

We will provide you with support to manage:

- Mandatory documentation
- Financial health-check and deposit/s
- Contractual obligations
- Establishment process and key milestones
- System connectivity
- Solution development
- Testing (CVF)
- Order journey management



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