



## **Ultrafast Fibre UFB Services Agreement**

Price List

From 01 July 2018

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## 1. Introduction

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- 1.1. This Price List sets out the Charges for the Wholesale Services and Ancillary Services at the date the Wholesale Service Agreement takes effect and provides a mechanism to make any adjustments to the Charges.
- 1.2. References to the Operations Manual are references to the relevant Operations Manual for a Wholesale Service. The operational requirements for each Wholesale Service are set out in the Operations Manual.
- 1.3. References to clauses or sections are references to clauses or sections in this Price List unless expressly provided otherwise. The definitions set out in the General Terms and the Operations Manuals apply to the extent that they are not expressly modified by or inconsistent with the context of this Price List.

### 1.4. Definitions

In this Price List:

**Ancillary Charges** are the charges for the Ancillary Services set out in Appendix 3.

**Charges** means Ancillary Charges, Recurring Charges and Transactional Charges, as the context requires.

**Core Charges** means Transactional Charges and the Recurring Charges.

**Inter-CO Fibre Service** has the meaning given to that term in the Service Description for Fibre Interconnection Services.

**Recurring Charges** are the monthly recurring charges for Wholesale Services set out in Appendix 2. The Recurring Charges are subject to the Price Caps published by CFH.

**Service Provider On Boarding Process** means the process for set up of a new Service Provider involving the establishment of commercial relationships, co-location, OSS/BSS interfaces, interconnection links and layer two interoperability.

**Transactional Charges** are charges (primarily for one-off activities) in respect of specific Wholesale Services that are set out in Appendix 1. The Transactional Charges are subject to the Price Caps published by CFH.

**UFB Non - CFH Miscellaneous Ancillary Service Charges** are charges for the Ancillary Services outside the scope of the UFB arrangement as set out in Table B of Appendix 3.

## 2. Charges

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- 2.1. The services referred to in Appendix 3 are the Ancillary Services.
- 2.2. Transactional Charges and Ancillary Charges can be either:
  - 2.2.1. fixed;
  - 2.2.2. calculated on a fixed hourly rate (plus materials where applicable); or
  - 2.2.3. expressed as "price on application" (**POA**) to reflect the underlying cost of providing the resources and project management skills required to provide the service.

- 2.3. For all POA price items, the LFC must, if requested by the Service Provider, use all reasonable endeavours to provide the Service Provider with two or more competitive quotes.
- 2.4. Charges will become due and payable and will be invoiced in the manner described in the Appendices, subject to the provisions in the General Terms relating to invoicing and payment of Charges.
- 2.5. All prices in this Price List exclude GST.

### **3. Adjustment to Ancillary Charges**

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- 3.1. Subject to the approval of CFH in accordance with clause 3.4, the LFC will adjust the Ancillary Charges referred to in Table A of Appendix 3 to pass through increases or decreases in the cost of providing the Ancillary Services, or as otherwise approved by CFH.
- 3.2. When adjusting the Ancillary Charges under clause 3.1, the LFC must also review all Ancillary Charges which are POA and provide a fixed price where this is practicable (such fixed price to be subject to the approval of CFH in accordance with clause 3.4)
- 3.3. Once an adjustment has been calculated under clause 3.1 or 3.2 the LFC must give notice to CFH of the adjustment and provide CFH with supporting information.
- 3.4. CFH will respond to the LFC within 20 Business Days from receipt of the notice given under clause 3.3 to approve or reject the adjustment. Any adjustment to an Ancillary Charge calculated under clause 3.1 or 3.2 will take effect from the date CFH approves the adjustment or such later date as notified by CFH provided that such later date may not be more than 60 Business Days after CFH's receipt of the notice under clause 3.3.
- 3.5. The LFC may adjust the Ancillary Charges in Table B of Appendix 3 (the UFB non CFH Miscellaneous Ancillary Service Charges) at the LFC's discretion (and without requiring any approvals under this Price List) on 30 Business Days' notice to the Service Provider and CFH.

### **4. Early Termination Charges**

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- 4.1. Each Wholesale Service is subject to a Minimum Service Term.
- 4.2. If:
  - 4.2.1. a Primary Service Provider terminates or otherwise relinquishes a Wholesale Service prior to the expiry of the applicable Minimum Service Term (other than where the Service Provider has terminated the Agreement or the applicable Service Order in accordance with clause 22.1 of the General Terms); or
  - 4.2.2. the LFC terminates the supply of a Wholesale Service to a Primary Service Provider prior to the expiry of the applicable Minimum Service Term in accordance with clause 22.1 of the General Terms,and that Wholesale Service is or was the first Wholesale Service to be provided to the relevant Premises, NBAP or End User Tenancy within an MDU (as applicable) using the LFC's Network then that will be an early termination event (an **Early Termination Event**) for which early termination charges (**Early Termination Charges**) will be payable by the Service Provider (unless waived by the LFC in accordance with clause 4.4).
- 4.3. This section 4 sets out when Early Termination Charges are payable by the Service Provider and how those Early Termination Charges are calculated.
- 4.4. The LFC may, at its discretion, elect to waive Early Termination Charges that become payable by the Service Provider.

## General Rule

- 4.5. Except as expressly stated in the General Terms or provided for in this section 4, in the event of an Early Termination Event, the LFC may require the Service Provider to pay to the LFC Early Termination Charges equal to the remaining number of months (or part months) in the Minimum Service Term multiplied by the then lowest monthly charge for a Bitstream 2 Service.
- 4.6. For example, if at 1 July 2012 a Service Provider terminates a 100Mbps down / 50Mbps up Bitstream 2 Service (2.5Mbps symmetrical CIR) (priced at \$55 per month), which is 6 full months into a Minimum Service Term of 12 months, the LFC may require the Service Provider to pay an Early Termination Charge of 6 times \$37.50 (being the remaining 6 months multiplied by the then lowest monthly charge for a Bitstream 2 Service).

# APPENDIX 1 – TRANSACTIONAL CHARGES

## 1 Bitstream Services

Service component	Description	Charge invoiced	Charge
1.1 Bitstream 2 Services Residential New Connection	The establishment of a new service instance of the Bitstream 2 Service where that installation is a Residential Connection (i.e. there is no Bitstream Transfer). The service is established from the provision of a Standard Install as described in the Bitstream 2 Service Description.	Following notification by the LFC of completion of Service Order	No Connection Fee for Residential Connections
1.2 Bitstream 2 Services Business new Connection	The establishment of a new service instance of the Bitstream 2 Service where that installation is a Business Connection (i.e. there is no Bitstream Transfer). The service is established from the provision of a Standard Install as described in the Bitstream 2 Service Description.	Following notification by the LFC of completion of Service Order	Charge equivalent to 1 month's recurring fee for relevant Bitstream 2 Service
1.3 Bitstream 2 Ultra Services Residential New Connection	The establishment of a new service instance of the Bitstream 2 Ultra Service where that installation is a Residential Connection (i.e. there is no Bitstream Transfer). The service is established from the provision of a Standard Install as described in the Bitstream 2 Ultra Service Description.	Following notification by the LFC of completion of Service Order	No Connection Fee for Residential Connections
1.4 Bitstream 2 Ultra Services Business new Connection	The establishment of a new service instance of the Bitstream 2 Ultra Service where that installation is a Business Connection (i.e. there is no Bitstream Transfer). The service is established from the provision of a Standard Install as described in the Bitstream 2 Ultra Service Description.	Following notification by the LFC of completion of Service Order	Charge equivalent to 1 month's recurring fee for relevant Bitstream 2 Ultra Service
1.5 Bitstream 3, 3a, 3b Services new Connection	The establishment of a new service instance of the Bitstream 3, 3a, 3b Service (i.e. there is no Bitstream Transfer). The service is established from the provision of a Standard Install as described in the Bitstream 3, 3a, 3b Service Descriptions.	Following notification by the LFC of completion of Service Order	Charge equivalent to 1 month's recurring fee for relevant Bitstream 3 or 3a or 3b Service
1.6 Bitstream 4 Services new Connection	The establishment of a new service instance of the Bitstream 4 Service (i.e. there is no Bitstream Transfer). The service is established from the provision of a Standard Install as described in the Bitstream 4 Service Description.	Following notification by the LFC of completion of Service Order	Charge equivalent to 2 months' recurring fee for relevant Bitstream 4 Service
1.7 E-NNI port Handover Connection installation	Charge for LFC installing the E-NNI ports including connection on the LFC's MOFDF and to Service Provider equipment located within the same Central Office. (See full requirements in Bitstream Services Operations Manual.)	Following notification by the LFC of completion of Service Order	\$300
1.8 Multicast Set-up	Set up new Service Provider with a Multicast domain in all coverage areas	Following notification by the LFC of completion of Service Order	POA
1.9 Bitstream 2 educational** new Connection	The establishment of a new service instance of the Bitstream 2 Service where that installation is an educational Connection (i.e. there is no Bitstream transfer). The service is established from the provision of a Standard Install as described in the Bitstream 2 Service Description.	Following notification by the LFC of completion of Service Order	Charge equivalent to 1 month's recurring fee for relevant Bitstream 2 Service

Service component	Description	Charge invoiced	Charge
1.10 Bitstream 2 Ultra educational** new Connection	The establishment of a new service instance of the Bitstream 2 Ultra Service where that installation is an educational Connection (i.e. there is no Bitstream transfer). The service is established from the provision of a Standard Install as described in the Bitstream 2 Ultra Service Description.	Following notification by the LFC of completion of Service Order	Charge equivalent to 1 month's recurring fee for relevant Bitstream 2 Ultra Service
1.11 Bitstream 3, 3a, 3b educational** new Connection	The establishment of a new service instance of the Bitstream 3, 3a, 3b Service where that installation is an educational Connection (i.e. there is no Bitstream Transfer). The service is established from the provision of a Standard Install as described in the Bitstream 3, 3a, 3b Service Descriptions.	Following notification by the LFC of completion of Service Order	Charge equivalent to 1 month's recurring fee for relevant Bitstream 3, 3a, 3b Service
1.12 Bitstream 4 educational** new Connection	The establishment of a new service instance of the Bitstream Service 4 where that installation is an educational Connection (i.e. there is no Bitstream Transfer). The service is established from the provision of a Standard Install as described in the Bitstream 4 Service Description.	Following notification by the LFC of completion of Service Order	Charge equivalent to 1 month's recurring fee for relevant Bitstream 4 Service
** Prices for educational services are available only to an approved list of educational organisations provided by the LFC.			
1.13 Provision of Priority User service route diversity	Provision of diversity to an End User that is a Priority User and within the diversity areas specified in the Service Description, comprising a separate diverse fibre from a common FAP at the End User premises to a single point of entry and OFDF at a single Central Office, which may include construction of a diverse duct and cabling route from the FAP at the End User premises to Central Office, but excluding where the End User premises does not have an alternative road access route from the relevant Central Office within the Candidate Area.	Following notification by the LFC of completion of Service Order	Charge equivalent to 2 months' recurring fee for the new diversity service.
1.14 Provision of Priority User service route and entry point diversity	Provision of diversity to an End User that is a Priority User and within the diversity areas specified in the Service Description, comprising a separate diverse fibre from a separate FAP at the End User premises to a single point of entry and OFDF at a single Central Office, which may also include construction of a diverse duct and cabling route from premises to Central Office, but excluding where the End User premises does not have an alternative road access route from the relevant Central Office within the Candidate Area.	Following notification by the LFC of completion of Service Order	Charge equivalent to 2 months' recurring fee for the new diversity service.

## 2 Direct Fibre Access Service

Service component	Description	Charge invoiced	Charge
2.1 Direct Fibre Access Service new Connection	The establishment of a new service instance of the Direct Fibre Access Service (i.e. there is no Direct Fibre Access transfer). The service is established from the provision of a Standard Install as described in the Direct Fibre Access Service Description.	Following notification by the LFC of completion of Service Order	Charge equivalent to 2 months' recurring fee for Direct Fibre Access Service
2.2 Provision of Priority User service route diversity	Provision of diversity to an End User that is a Priority User and within the diversity areas specified in the Service Description, comprising a separate diverse fibre from a common FAP at the End User premises to a single point of entry and OFDF at a single Central Office, which may include construction of a diverse duct and cabling route from the FAP at the End User premises to Central Office, but excluding where the End User premises does not have an alternative road access route from the relevant Central Office within the Candidate Area.	Following notification by the LFC of completion of Service Order	Charge equivalent to 2 months' recurring fee for the new diversity service.
2.3 Provision of Priority User service route and entry point diversity	Provision of diversity to an End User that is a Priority User and within the diversity areas specified in the Service Description, comprising a separate diverse fibre from a separate FAP at the End User premises to a single point of entry and OFDF at a single Central Office, which may also include construction of a diverse duct and cabling route from premises to Central Office, but excluding where the End User premises does not have an alternative road access route from the relevant Central Office within the Candidate Area.	Following notification by the LFC of completion of Service Order	Charge equivalent to 2 months' recurring fee for the new diversity service.

## 3 Central Office and POI Co-location Service

Non-recurring Charges for the Central Office and POI Co-location Service are found under Ancillary Charges in Appendix 3.

## 4 Fibre Interconnection Services

Service component	Description	Charge invoiced	Charge
4.1 Fibre Patch service	The establishment of a new service instance of Fibre Patch service in a qualifying CO.	Following notification by the LFC of completion of Service Order.	Charge equivalent to 2 months' recurring fee for this service.
4.2 Inter-CO Fibre Service between Hamilton POIs, or between Tauranga POIs	The establishment of a new service instance of the Inter-CO Fibre Service between the two Hamilton POIs, or between the two Tauranga POIs. The Inter-CO Fibre Service is only available between the Hamilton East CO and the Hamilton West CO, and between the Tauranga East CO and the Tauranga West CO.	Following notification by the LFC of completion of Service Order.	Charge equivalent to 2 months' recurring fee for this service.
4.3 Provision of Inter-CO Fibre Diversity between Hamilton POIs, or between Tauranga POIs	Provision of diversity comprising a separate diverse fibre between single points of entry to each of the two Hamilton POIs, or between single points of entry to each of the two Tauranga POIs. Inter-CO Fibre Diversity is only available between the Hamilton East CO and the Hamilton West CO, and between the Tauranga East CO and the Tauranga West CO.	Following notification by the LFC of completion of Service Order.	Charge equivalent to 2 months' recurring fee for the new diversity service.



Service component	Description	Charge invoiced	Charge	
4.4	Provision of Inter-CO Fibre Diversity and entry point diversity between Hamilton POIs, or between Tauranga POIs	Provision of diversity comprising a separate diverse fibre between the two Hamilton POIs, or between the two Tauranga POIs. Inter-CO Fibre Diversity is only available between the Hamilton East CO and the Hamilton West CO, and between the Tauranga East CO and the Tauranga West CO. Separate points of entry will be provided at each Central Office.	Following notification by the LFC of completion of Service Order.	Charge equivalent to 2 months' recurring fee for the new diversity service.

## APPENDIX 2 – RECURRING CHARGES

### 5 Bitstream Services

#### Bitstream 2

Service component	Description	Charge Invoiced	Charge
5.1 GPON Bitstream 30 Mbps down / 10 Mbps up with 2.5 Mbps symmetrical CIR with ATA port Service monthly Charge	Bitstream 2 Template 1 as per Bitstream 2 Service Description, section 3.4.4.  Residential only standard monthly rental.  Additional CIR / EIR options can be provided as described in items 5.32 – 5.35 using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly	\$41.50
5.2 GPON Bitstream 30 Mbps down / 10 Mbps up with 2.5 Mbps CIR up / 10 Mbps CIR down with ATA port Service monthly Charge	Bitstream 2 Template 2 as per Bitstream 2 Service Description, section 3.4.4.  Residential only standard monthly rental.  Additional CIR / EIR options can be provided as described in items 5.32 – 5.35 using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly	\$45.25
5.3 GPON Bitstream 30 Mbps down / 10 Mbps up with 5 Mbps symmetrical CIR with ATA port service Monthly Charge	Bitstream 2 Template 3 as per Bitstream 2 Service Description, section 3.4.4.  Standard monthly rental.  Additional CIR / EIR options can be provided as described in items 5.32 – 5.35 using the Product Development Process as per part 7 of the Bitstream Operations Services Manual.	Monthly	\$49.95
5.4 GPON Bitstream 100 Mbps down / 50 Mbps up with 2.5 Mbps CIR up / 2.5 Mbps CIR down with ATA port Service monthly Charge	Bitstream 2 Template 6 as per Bitstream 2 Service Description, section 3.4.4.  Standard monthly rental.  Additional CIR options can be provided as described in items 5.32 – 5.33 using the Product Development Process as per part 7 of the Bitstream Services Operations Manual	Monthly	\$51.00
5.5 GPON Bitstream 100 Mbps down / 50 Mbps up with 2.5 Mbps CIR up / 10 Mbps CIR down with ATA port Service monthly Charge	Bitstream 2 Template 7 as per Bitstream 2 Service Description, section 3.4.4.  Standard monthly rental.  Additional CIR options can be provided as described in items 5.32 – 5.33 using the Product Development Process as per part 7 of the Bitstream Services Operations Manual	Monthly	\$53.95

## Bitstream 2 Ultra

Service component	Description	Charge Invoiced	Charge
5.6	GPON Bitstream 30 Mbps down / 10 Mbps up with 2.5 Mbps symmetrical CIR with ATA port Service monthly Charge	Bitstream 2 Ultra as per Bitstream 2 Ultra Service Description, section 3.4.6.  Residential only standard monthly rental.  Additional CIR / EIR options can be provided as described in items 5.32 – 5.35 using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly  \$41.50
5.7	GPON Bitstream 30 Mbps down / 10 Mbps up with 2.5 Mbps CIR up / 10 Mbps CIR down with ATA port Service monthly Charge	Bitstream 2 Ultra as per Bitstream 2 Ultra Service Description, section 3.4.6.  Residential only standard monthly rental.  Additional CIR / EIR options can be provided as described in items 5.32 – 5.35 using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly  \$45.25
5.8	GPON Bitstream 30 Mbps down / 10 Mbps up with 5 Mbps symmetrical CIR with ATA port service Monthly Charge	Bitstream 2 Ultra as per Bitstream 2 Ultra Service Description, section 3.4.6.  Standard monthly rental.  Additional CIR / EIR options can be provided as described in items 5.32 – 5.35 using the Product Development Process as per part 7 of the Bitstream Operations Services Manual.	Monthly  \$49.95
5.9	GPON Bitstream 100 Mbps down / 50 Mbps up with 2.5 Mbps CIR up / 2.5 Mbps CIR down with ATA port Service monthly Charge	Bitstream 2 Ultra as per Bitstream 2 Ultra Service Description, section 3.4.6.  Standard monthly rental.  Additional CIR options can be provided as described in 5.32 – 5.33 using the Product Development Process as per part 7 of the Bitstream Services Operations Manual	Monthly  \$51.00
5.10	GPON Bitstream 100 Mbps down / 50 Mbps up with 2.5 Mbps CIR up / 10 Mbps CIR down with ATA port Service monthly Charge	Bitstream 2 Ultra as per Bitstream 2 Ultra Service Description, section 3.4.6.  Standard monthly rental.  Additional CIR options can be provided as described in items 5.32 – 5.33 using the Product Development Process as per part 7 of the Bitstream Services Operations Manual	Monthly  \$53.95
5.11	GPON Bitstream 100 Mbps down /20 Mbps up with 2.5 Mbps symmetrical CIR with ATA port Service monthly Charge	Bitstream 2 Ultra Template 1 as per Bitstream 2 Ultra Service Description, section 3.4.6.  Residential only standard monthly rental.  Additional CIR / EIR options can be provided as described in items 5.32 – 5.35 using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly  \$45.00
5.12	GPON Bitstream 200 Mbps down /20 Mbps up with 2.5 Mbps symmetrical CIR with ATA port Service monthly Charge	Bitstream 2 Ultra Template 2 as per Bitstream 2 Ultra Service Description, section 3.4.6.  Standard monthly rental.  Additional CIR / EIR options can be provided as described in items 5.32 – 5.35 using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly  \$55.00

## Bitstream 2 Ultra

Service component	Description	Charge Invoiced	Charge
5.13 GPON Bitstream 1000 Mbps down /20 Mbps up with 2.5 Mbps symmetrical CIR with ATA port Service monthly Charge	Bitstream 2 Ultra Template 3 as per Bitstream 2 Ultra Service Description, section 3.4.6.  Residential only standard monthly rental.  Additional CIR / EIR options can be provided as described in items 5.32 – 5.35 using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly	\$65.00
5.14 GPON Bitstream 100 Mbps down /100 Mbps up with 2.5 Mbps symmetrical CIR with ATA port Service monthly Charge	Bitstream 2 Ultra as per Bitstream 2 Ultra Service Description, section 3.4.6.  Standard monthly rental.  Additional CIR / EIR options can be provided as described in items 5.32 – 5.35 using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly	\$55.00
5.15 GPON Bitstream 200 Mbps down /100 Mbps up with 2.5 Mbps symmetrical CIR with ATA port Service monthly Charge	Bitstream 2 Ultra as per Bitstream 2 Ultra Service Description, section 3.4.6.  Standard monthly rental.  Additional CIR / EIR options can be provided as described in items 5.32 – 5.35 using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly	\$60.00
5.16 GPON Bitstream 200 Mbps down /200 Mbps up with 2.5 Mbps symmetrical CIR with ATA port Service monthly Charge	Bitstream 2 Ultra as per Bitstream 2 Ultra Service Description, section 3.4.6.  Standard monthly rental.  Additional CIR / EIR options can be provided as described in items 5.32 – 5.35 using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly	\$65.00
5.17 GPON Bitstream 1000 Mbps down /500 Mbps up with 2.5 Mbps symmetrical CIR with ATA port Service monthly Charge	Bitstream 2 Ultra as per Bitstream 2 Ultra Service Description, section 3.4.6.  Residential only standard monthly rental.  Additional CIR / EIR options can be provided as described in items 5.32 – 5.35 using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly	\$55.00
5.18 GPON Bitstream 1000 Mbps down /500 Mbps up with 2.5 Mbps symmetrical CIR with ATA port Service monthly Charge	Bitstream 2 Ultra as per Bitstream 2 Ultra Service Description, section 3.4.6.  Business only standard monthly rental.  Additional CIR / EIR options can be provided as described in items 5.32 – 5.35 using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly	\$75.00

### Bitstream 3a

Service component	Description	Charge Invoiced	Charge
5.19 GPON Bitstream 100 Mbps down / 100 Mbps up with ATA port Service monthly Charge	<p>Bitstream 3A Template as per Bitstream 3A Service Description, section 3.4.4.</p> <p>Standard monthly rental for option with 2.5 Mbps symmetrical High Priority CIR and 2.5 Mbps symmetrical Low Priority CIR.</p> <p>High Priority CIR options can be provided as described in items 5.32 – 5.33 Low Priority EIR is reduced as High Priority CIR is increased.</p>	Monthly	\$131.61

### Bitstream 3

Service component	Description	Charge Invoiced	Charge
5.20 GPON Bitstream 100 Mbps down / 100 Mbps up with ATA port Service monthly Charge	<p>Bitstream 3 Template as per Bitstream 3 Service Description, section 3.4.4.</p> <p>Standard monthly rental for option with 2.5 Mbps symmetrical High Priority CIR.</p> <p>High Priority CIR options can be provided as described in items 5.32 – 5.33.</p>	Monthly	\$131.61

## Bitstream 3b

Service component	Description	Charge Invoiced	Charge
5.21	GPON Bitstream 50 Mbps down / 50 Mbps up with ATA port Service monthly Charge	Bitstream 3b Template as per Bitstream 3b Service Description, section 3.4.5.  Standard monthly rental for option with 2.5 Mbps symmetrical High Priority CIR.  High Priority CIR options can be provided as described in items 5.32 – 5.33.	Monthly  \$100.00
5.22	GPON Bitstream 50 Mbps down / 50 Mbps up with ATA port Service monthly Charge	Bitstream 3b Template as per Bitstream 3b Service Description, section 3.4.5.  Standard monthly rental for option with 10 Mbps symmetrical High Priority CIR.  High Priority CIR options can be provided as described in items 5.32 – 5.33.	Monthly  \$111.25
5.23	GPON Bitstream 200 Mbps down / 200 Mbps up with ATA port Service monthly Charge	Bitstream 3b Template as per Bitstream 3b Service Description, section 3.4.5.  Standard monthly rental for option with 2.5 Mbps symmetrical High Priority CIR.  High Priority CIR options can be provided as described in items 5.32 – 5.33.	Monthly  \$175.00
5.24	GPON Bitstream 200 Mbps down / 200 Mbps up with ATA port Service monthly Charge	Bitstream 3b Template as per Bitstream 3b Service Description, section 3.4.5.  Standard monthly rental for option with 10 Mbps symmetrical High Priority CIR.  High Priority CIR options can be provided as described in items 5.32 – 5.33.	Monthly  \$186.25
5.25	GPON Bitstream 1000 Mbps down / 1000 Mbps up with ATA port Service monthly Charge	Bitstream 3b Template as per Bitstream 3b Service Description, section 3.4.5.  Standard monthly rental for option with 2.5 Mbps symmetrical High Priority CIR.  High Priority CIR options can be provided as described in items 5.32 – 5.33.	Monthly  \$275.00
5.26	GPON Bitstream 1000 Mbps down / 1000 Mbps up with ATA port Service monthly Charge	Bitstream 3b Template as per Bitstream 3b Service Description, section 3.4.5.  Standard monthly rental for option with 10 Mbps symmetrical High Priority CIR.  High Priority CIR options can be provided as described in items 5.32 – 5.33.	Monthly  \$286.25

## P2P / Bitstream 4

Service component	Description	Charge Invoiced	Charge
5.27	P2P Bitstream 100 Mbps down / 100 Mbps up with 0 CIR Service monthly Charge	Bitstream 4 Service as described in Bitstream 4 Service Description.  Standard monthly rental for 100 Mbps service  CIR can be provided as described in item 5.36	Monthly  \$290.00
5.28	P2P Bitstream 1 Gbps down / 1 Gbps up with 0 CIR Service monthly Charge	Bitstream 4 Service as described in Bitstream 4 Service Description.  Standard monthly rental for 1 Gbps service provided  CIR can be provided as described in item 5.36	Monthly  \$365.00

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5.29	P2P Bitstream 10 Gbps down / 10 Gbps up with 0 CIR Service monthly Charge	Bitstream 4 Service as described in Bitstream 4 Service Description. Standard monthly rental for 10 Gbps service CIR can be provided as described in item 5.36	Monthly	\$1,265.00
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## Building Blocks – Multicast

Service component	Description	Charge Invoiced	Charge
5.30 10 Mbps Ethernet Multicast Access channel Service monthly Charge	Additional standard monthly rental for a 10 Mbps Ethernet Multicast access channel provided in association with items 5.1 – 5.20.  Requires an Ethernet port provided in association with items 5.1 5.20 or as additional port in item 5.40.	Monthly	\$5
5.31 Additional 10 Mbps Ethernet Multicast Access channel Service monthly Charge	Additional standard monthly rental for second 10 Mbps Ethernet Multicast Access channel provided in association with items 5.1 – 5.20. Service Provider must have purchased a 10 Mbps Ethernet Multicast access channel in 5.30 to purchase additional 10 Mbps Ethernet multicast access channel.	Monthly	\$2.50

## Building Blocks – Bitstream 2 / 2 Ultra / 3 / 3a / 3b

Service component	Description	Charge Invoiced	Charge
5.32 GPON Bitstream additional 2.5 Mbps CIR down	Additional standard monthly rental for additional 2.5 Mbps CIR down provided in association with items 5.1 – 5.26 and 5.41 – 5.45.  Can be used to create additional Bitstream 2, Bitstream 2 Ultra, Bitstream 3, Bitstream 3a or Bitstream 3b Service Templates using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly	\$1.25
5.33 GPON Bitstream additional 2.5 Mbps CIR up	Additional standard monthly rental for additional 2.5 Mbps CIR up provided in association with items 5.1– 5.26 and 5.41 – 5.45.  Can be used to create additional Bitstream 2, Bitstream 2 Ultra, Bitstream 3, Bitstream 3a or Bitstream 3b Service Templates using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly	\$2.50
5.34 GPON Bitstream additional 10 Mbps EIR down	Additional standard monthly rental for additional 10 Mbps EIR down provided in association with items 5.1 – 5.3, 5.6 – 5.8, 5.11 – 5.18 and 5.47 – 5.50.  Can be used to create additional Bitstream 2 or Bitstream 2 Ultra Service Templates using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly	\$1.35
5.35 GPON Bitstream additional 10 Mbps EIR up	Additional standard monthly rental for additional 10 Mbps EIR up provided in association with items 5.1 – 5.3, 5.6 – 5.8, 5.11 – 5.18 and 5.46 – 5.49.  Can be used to create additional Bitstream 2 or Bitstream 2 Ultra Service Templates using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly	\$2.70



## Building Blocks – P2P / Bitstream 4

Service component	Description	Charge Invoiced	Charge
5.36	P2P Bitstream additional 10 Mbps CIR symmetrical  Can be used to create additional Bitstream 4 Service Templates using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly	\$10
5.37	P2P Bitstream additional 100 Mbps EIR symmetrical  Can be used to create additional Bitstream 4 Service Templates using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly	\$10

## Voice Services

Service component	Description	Charge Invoiced	Charge
5.38	Voice Services  Voice only service. (Greenfields only)  Standard monthly rental.  Cannot be provided with a Bitstream 2, Bitstream 3 or Bitstream 3a or Bitstream 3b Service Template.	Monthly	\$25

5.39	Additional voice port  Additional standard monthly rental for additional voice port.	Monthly	\$15
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## Additional Ethernet Port

Service component	Description	Charge Invoiced	Charge
5.40	Additional Ethernet port  Additional standard monthly rental for additional Ethernet port.	Monthly	\$10

## Multicast On-Going Charges

Service component	Description	Charge Invoiced	Charge
5.41	Multicast ongoing fee  Outgoing charge per Mbps.  Applies to Multicast domain(s) as described in section 3.4 of the Multicast Service Description.  Items 5.30 – 5.31 will apply to each user connecting to the Multicast domain.	Monthly	\$1
5.42	Multicast ongoing fee  Outgoing charge per Mbps per OLT.  Alternative Ethernet Multicast access price. Applies to Multicast domain. 5.30 – 5.31 do not apply.	Monthly	\$1

## E-NNI Handover

Service component	Description	Charge Invoiced	Charge
5.43	E-NNI port 1 Gbps Handover connection  Standard monthly rental.	Monthly	\$100
5.44	E-NNI port 10 Gbps Handover connection  Standard monthly rental.	Monthly	\$300

## Layer 2 Service Levels

Service component	Description	Charge Invoiced	Charge
5.45 Layer Two Enhanced SLA 1	Additional standard monthly rental for enhanced service level provided in association with items 5.1 – 5.29.	Monthly	\$25
5.46 Layer Two Enhanced SLA 2	Additional standard monthly rental for enhanced service level provided in association with items 5.1 – 5.29.	Monthly	\$50

## Educational Services

Service component	Description	Charge Invoiced	Charge
**Prices for educational services are available only to an approved list of educational organisations provided by the LFC.			
5.47	GPON Bitstream educational ** 30 Mbps down / 30 Mbps up with 10Mbps CIR symmetrical Service monthly Charge	Educational Bitstream 2 Template as per Bitstream 2 Service Description, section 3.4.4.  Educational only standard monthly rental.  Additional CIR / EIR options can be provided as described in items 5.32 – 5.35 using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly  \$50
5.48	GPON Bitstream educational ** 50 Mbps down / 50 Mbps up with 10 Mbps CIR symmetrical Service Monthly Charge	Educational Bitstream 2 Template as per Bitstream 2 Service Description, section 3.4.4.  Educational only standard monthly rental.  Additional CIR / EIR options can be provided as described in items 5.32 – 5.35 using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly  \$58
5.49	GPON Bitstream educational ** 30 Mbps down / 30 Mbps up with 10Mbps CIR symmetrical Service monthly Charge	Educational Bitstream 2 Ultra Template as per Bitstream 2 Ultra Service Description, section 3.4.4.  Educational only standard monthly rental.  Additional CIR / EIR options can be provided as described in items 5.32 – 5.35 using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly  \$50
5.50	GPON Bitstream educational ** 50 Mbps down / 50 Mbps up with 10 Mbps CIR symmetrical Service Monthly Charge	Educational Bitstream 2 Ultra Template as per Bitstream 2 Ultra Service Description, section 3.4.4.  Educational only standard monthly rental.  Additional CIR / EIR options can be provided as described in items 5.32 – 5.35 using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly  \$58
5.51	GPON Bitstream educational ** 100 Mbps down / 100 Mbps up with 10 Mbps CIR symmetrical Service Monthly Charge	Educational Bitstream 3A Template as per Bitstream 3A Service Description, section 3.4.4.  Educational only standard monthly rental.  Standard monthly rental for 100 Mbps service with 10 Mbps symmetric High Priority CIR and 2.5 Mbps symmetric Low Priority CIR  CIR options can be provided as described in item 5.32 – 5.33. Low Priority EIR is reduced as High Priority CIR is increased.	Monthly  \$111.43
5.52	GPON Bitstream educational** 50 Mbps down / 50 Mbps up with 10 Mbps CIR symmetrical Service Monthly Charge	Educational Bitstream 3b Template as per Bitstream 3b Service Description, section 3.4.5.  Educational only standard monthly rental.  Standard monthly rental for 50 Mbps service with 10 Mbps symmetric High Priority CIR and 2.5 Mbps symmetric Low Priority CIR  CIR options can be provided as described in item 5.32 – 5.33.	Monthly  \$75.00

## Educational Services

Service component	Description	Charge Invoiced	Charge
**Prices for educational services are available only to an approved list of educational organisations provided by the LFC.			
5.53	GPON Bitstream educational** 1000 Mbps down / 1000 Mbps up with 10 Mbps CIR symmetrical Service Monthly Charge	Educational Bitstream 3b Template as per Bitstream 3b Service Description, section 3.4.5.  Educational only standard monthly rental.  Standard monthly rental for 50 Mbps service with 10 Mbps symmetric High Priority CIR and 2.5 Mbps symmetric Low Priority CIR  CIR options can be provided as described in item 5.32 – 5.33.	Monthly  \$250.00
5.54	P2P Bitstream educational ** 100 Mbps down / 100 Mbps up with 10Mbps CIR symmetrical Service monthly Charge	Bitstream 4 Service as described in Bitstream 4 Service Description.  Standard monthly rental for 100 Mbps service  CIR can be provided as described in item 5.36.	Monthly  \$219.29
5.55	P2P Bitstream educational ** 1 Gbps down / 1 Gbps up with 10 CIR symmetrical Service monthly Charge	Bitstream 4 Service as described in Bitstream 4 Service Description.  Standard monthly rental for 1 Gbps service provided  CIR can be provided as described in item 5.36.	Monthly  \$274.29

## Diversity

Service component	Description	Charge Invoiced	Charge
5.56	Priority User service route diversity	Diversity service to an End User that is a Priority User and within the diversity areas specified in the Service Description, comprising a separate diverse fibre from a common FAP at the End User premises to a single point of entry and OFDF at a single Central Office.	Monthly  \$750, or a charge equivalent to the monthly recurring fee for the most expensive Bitstream Service provided in respect of that End User at the relevant premises, whichever is the greater.
5.57	Priority User service route and entry point diversity	Diversity service to an End User that is a Priority User and within the diversity areas specified in the Service Description, comprising a separate diverse fibre from a separate FAP at the End User premises to a single point of entry and OFDF at a single Central Office	Monthly  \$1,500, or a charge equivalent to the monthly recurring fee for the most expensive Bitstream Service provided in respect of that End User at the relevant premises, whichever is the greater.
5.58	Priority User service route, entry point and Central Office diversity	Diversity service to an End User that is a Priority User and within the diversity areas specified in the Service Description, comprising a separate diverse fibre from a separate FAP at the End User premises to a separate point of entry and a separate OFDF at a single Central Office, or to a second Central Office.	Monthly  POA

## 6 Direct Fibre Access Service

Service component	Description	Charge Invoiced	Charge
6.1 Direct Fibre Access Service Monthly Charge	Direct Fibre Access Service standard monthly rental.	Monthly	\$265.00
6.2 Layer One Enhanced SLA 1	Additional standard monthly rental for enhanced service level provided in association with item 6.1.	Monthly	\$25
6.3 Layer One Enhanced SLA 2	Additional standard monthly rental for enhanced service level provided in association with item 6.1.	Monthly	\$50
6.4 Layer One Enhanced SLA 3	Additional event critical care for enhanced service level provided in association with item 6.1.	Monthly	\$100
6.5 Priority User service route diversity	Diversity service to an End User that is a Priority User and within the diversity areas specified in the Service Description, comprising a separate diverse fibre from a common FAP at the End User premises to a single point of entry and OFDF at a single Central Office.	Monthly	\$750
6.6 Priority User service route and entry point diversity	Diversity service to an End User that is a Priority User and within the diversity areas specified in the Service Description, comprising a separate diverse fibre from a separate FAP at the End User premises to a single point of entry and OFDF at a single Central Office	Monthly	\$1,500
6.7 Priority User service route, entry point and Central Office diversity	Diversity service to an End User that is a Priority User and within the diversity areas specified in the Service Description, comprising a separate diverse fibre from a separate FAP at the End User premises to a separate point of entry and a separate OFDF at a single Central Office, or to a second Central Office	Monthly	POA

## 7 Co-location Service

Service component	Description	Charge Invoiced	Charge
7.1 Central Office and POI Co-location Service Footprint monthly Charge	Central Office and POI Co-location Service 600 x 400 footprint standard monthly rental Central Office classification in Operations Manual	Monthly	\$1,500

## 8 Fibre Interconnection Services

Service component		Description	Charge Invoiced	Charge
8.1	Fibre Patch Service	Fibre patch service to connect a Direct Fibre Access Service to another Direct Fibre Access Service or to connect to an Inter-CO Fibre Service	Monthly	\$12.86
8.2	Inter-CO Fibre Service between Hamilton POIs, or between Tauranga POIs	Inter-CO Fibre Service to provide connection between the two Hamilton POIs, or between the two Tauranga POIs, standard monthly rental. The Inter-CO Fibre Service is only available between the Hamilton East CO and the Hamilton West CO, and between the Tauranga East CO and the Tauranga West CO.	Monthly	\$250
8.3	Inter-CO Fibre Diversity between Hamilton POIs, or between Tauranga POIs	Diversity comprising a separate diverse instance of the Inter-CO Fibre Service between single points of entry to each of the two Hamilton POIs, or between single points of entry to each of the two Tauranga POIs. Inter-CO Fibre Diversity is only available between the Hamilton East CO and the Hamilton West CO, and between the Tauranga East CO and the Tauranga West CO.	Monthly	\$750
8.4	Inter-CO Fibre Diversity and entry point diversity between Hamilton POIs, or between Tauranga POIs	Diversity comprising a separate diverse instance of the Inter-CO Fibre Service between the two Hamilton POIs, or between the two Tauranga POIs. Inter-CO Fibre Diversity is only available between the Hamilton East CO and the Hamilton West CO, and between the Tauranga East CO and the Tauranga West CO. Separate points of entry will be provided at each Central Office.	Monthly	\$1,500
8.5	Fibre Interconnection Service Enhanced SLA 1	Additional standard monthly rental for enhanced service level provided in association with items 8.1 and 8.2.	Monthly	\$25
8.6	Fibre Interconnection Service Enhanced SLA 2	Additional standard monthly rental for enhanced service level provided in association with items 8.1 and 8.2.	Monthly	\$50
8.7	Fibre Interconnection Service Enhanced SLA 3	Additional event critical care for enhanced service level provided in association with items 8.1 and 8.2.	Monthly	\$100

## APPENDIX 3 – ANCILLARY CHARGES

### 9 Table A – UFB CFH Ancillary Charges

Service component	Description	Charge invoiced	Charge
9.1 New Connection or plan change with no site visit required	Establishment of a new service over existing fibre or change to configuration of an existing instance of the Wholesale Service. This charge does not apply to establishment of a new service on existing fibre where there was no Connection fee for the original Residential Connection.	Following notification by the LFC of completion of Service Order	Charge equivalent to 1 month's recurring fee for the new service.  In the case of a new connection the charge may not exceed the Transactional Charge that would be payable to establish the service instance if an installation was required.
9.2 Single Dwelling Unit - Non standard Fibre Lead-in (Fibre Access Point to ETP) for new connection of Bitstream Services and Direct Fibre Services	Additional charge for premise lead-in connections for a Single Dwelling Unit where the Fibre Lead-in (from Fibre Access Point to the ETP) exceeds the Standard Install distance specified in the Operations Manual.	Will be charged for a non standard install with approval from the retailer following the completion of the service order	\$0
9.3 Single Dwelling Unit - Non standard internal cabling/wiring for new connection of Bitstream Services and Direct Fibre Services	Additional charge for premise lead-in connections for a Single Dwelling Unit where the extension of the Fibre Lead-in from the ETP to:  (a) a suitable mounted SC/APC connector at a secure location inside the End User Premises (as applicable); or  (b) if there is an OFDF beyond the ETP, a splice or LCA connector on the OFDF,  is greater than the Standard Install distance specified in the Operations Manual.	Will be charged for a non standard install with approval from the retailer following the completion of the service order	\$8.80 per additional internal metre (Premise)
9.4 MDU End User - Non standard Fibre Lead-in (Fibre Access Point to OFDF) for new connection of Bitstream Services and Direct Fibre Services	Additional charge for premise lead-in connections for an MDU End User where the Fibre Lead-in (from Fibre Access Point to the OFDF or equivalent within the MDU) exceeds the Standard Install distance specified in the Operations Manual.	Will be charged for a non standard install with approval from the retailer following the completion of the service order	\$0

Service component	Description	Charge invoiced	Charge
9.5 MDU internal reticulation.	MDU installation will require provision of backbone cabling in an MDU to extend the Fibre Lead in to the End-User Tenancy (including vertical riser cabling or horizontal building reticulation) as agreed with Service Provider and building owner or their agents. This item recovers the additional cost (if any) for installation of the backbone cable over the standard contribution the LFC provides.	Following notification by the LFC of completion of Service Order	<p>Time &amp; materials subject to following rules:</p> <p>Based on an hourly rate of \$106 per hour for design and an hourly rate of \$90 per hour for installation plus material costs</p> <p>In respect of each MDU, the LFC will contribute, at its own cost, MDU internal reticulation services (time and materials) equal to the value of \$1,000 multiplied by the number of individual tenancies in the MDU (the LFC Contribution).</p> <p>The LFC will only charge for MDU internal reticulation services which exceed the LFC Contribution.</p>
9.6 MDU End User - Non standard internal cabling/wiring within End User Tenancy for new connection of Bitstream Services and Direct Fibre Services	<p>Additional charge for premise lead-in connections for an MDU End User where the extension of the Fibre Lead-in from the ETP at the End User Tenancy (or, if there is no ETP at the End User Tenancy, from the boundary of the End User Tenancy) to:</p> <p>(a) a suitable mounted SC/APC connector at a secure location; or</p> <p>(b) if there is an OFDF beyond the ETP, a splice or LCA connector on the OFDF,</p> <p>within the End User Tenancy is greater than the Standard Install distance specified in the Operations Manual.</p>	Will be charged for a non standard install with approval from the retailer following the completion of the service order	\$8.80 per additional internal metre (Premise)
9.7 Provision of Priority User service route, entry point and Central Office diversity	Provision of diversity to an End User that is a Priority User and within the diversity areas specified in the Service Description, comprising a separate diverse fibre from a separate FAP at the End User premises to a separate point of entry and a separate OFDF at a single Central Office, or to a second Central Office, which may also include construction of a diverse duct and cabling route from premises to separate points of entry and separate OFDFs at a single Central Office, or to a second Central Office.	Following notification by the LFC of completion of Service Order	<p>POA - time &amp; materials.</p> <p>Based on an hourly rate of \$106 per hour for design and an hourly rate of \$90 per hour for installation plus material cost.</p>
9.8 No fault found	Fixed charge for fault call that is closed "no LFC fault found".	Following completion of fault investigation	<p>\$104.83 – Truck roll</p> <p>\$40 – no truck roll req.</p>
9.9 Inability to complete request.	<p>Fixed charge for work that cannot be completed either because:</p> <ul style="list-style-type: none"> <li>• of cancellation by Service Provider or End User after order has been passed to service company, or</li> <li>• where access cannot be gained to End Users site at the agreed time where visit is required to deliver UFB Service,</li> </ul> <p>for a reason not caused by the LFC. This charge will not apply where access was prevented by a Force Majeure event.</p>	Following site visit or cancellation	<p>\$170</p> <p>Based on two hours of service company installer at \$85 per hour</p>



Service component	Description	Charge invoiced	Charge	
9.10	Service Provider Operational Readiness Programme: testing, training and consultation.	As part of the Operational Readiness Programme, the first 50 hours training and 25 hours of testing and consultation are provided free of charge. Additional training initially or later will be at indicated price.	Following notification by the LFC of completion of Service Order	Time & materials Interoperability testing \$150 per hour Training \$99.70 per hour plus actual travel costs (as applicable the costs of airplane flights, public transport fares, taxi fares and standard mileage rates for motor vehicles as published by Inland Revenue) to Service Provider's site.
9.11	Additional staff training	Charge for Service Provider staff training (at Service Provider's site) on the operation and use of OSS/ BSS. Maximum of 10 persons per course.	Following completion of training	Time & materials Training \$99.70 per hour plus actual travel costs (as applicable the costs of airplane flights, public transport fares, taxi fares and standard mileage rates for motor vehicles as published by Inland Revenue) to Service Provider's site.
9.12	Subsequent development of new UFB Service	Development of new UFB Service Templates as part of Product Development Process including testing and consultation.	Following completion of Product Development Process	Time & materials Interoperability testing and consultation \$150 per hour plus materials
9.13	Manual line testing and site investigation	Measurements performed by a specialist group of service company staff to ascertain actual rather than theoretical estimated Wholesale Service characteristics, such as might be required when an estimated result has returned a value that is marginal for an intended service. Includes site investigations.	Following completion of investigation	Time and materials Based on an hourly rate of \$85 per hour plus material cost
9.14	Additional Charges	Charges for the services provided by LFC referred to in clause 7.2 of the General Terms to the extent not already covered by another Ancillary Charge	Following notification by the LFC of completion of Service Order	Time and materials Based on an hourly rates of: Office resource \$99.70 Field technician \$85 Central Office technician \$90 plus material cost
9.15	Non-specified Ancillary Charges	Where the Service Provider requests a service not already covered in the Price List and LFC agrees to provide that service.	Following notification by the LFC of completion of Service Order	Time and materials Based on hourly rates of: Office resource \$99.70 Field technician \$85 Central Office technician \$90 plus material cost
9.16	Bitstream transfer layer one change	The change in termination of a fibre on the MOFDF on request or to transfer of the Bitstream Service connected to an End User's premises from one Service Provider to another, as authorised by the End User.	Following notification by the LFC of completion of Service Order	Time and materials Based on an hourly rate of \$85 per hour plus materials at cost
9.17	Bitstream transfer layer two change	The transfer of the Bitstream Service connected to an End User's Premises from one Service Provider to another, as authorised by the End User by change of port mapping.	Following notification by the LFC of completion of Service Order	\$24.93

Service component		Description	Charge invoiced	Charge
9.18	Bitstream Relinquishment	Where the Service Provider terminates supply of the Bitstream 2, 3, 3a, 3b or 4 Service in respect of a particular End User. This entails LFC updating its records and billing. LFC may either physically disconnect the Bitstream Service at any point between the exchange and the End User's Premises or leave the Bitstream Service circuit intact.	Following notification by the LFC of completion of Service Order	Early Termination Charge (if any) in accordance with section 4 in the Price List
9.19	Access re-mapping fee.	Design and reconfiguration of affected network elements to map existing Bitstream Service connections to a new Handover Point.	Following notification by the LFC of completion of Service Order	POA - time and materials Basis for determining the charge is the estimated equipment, time and materials incurred to design and implement a re-mapping including network rebuild design and systems changes.
9.20	NBAP new Connection	The establishment of a new service instance of a Bitstream Service or the Direct Fibre Access Service at an NBAP.	Following notification by the LFC of completion of Service Order.	Time and materials Based on an hourly rate of \$85 per hour plus material cost
9.21	Direct Fibre Access transfer	The change in termination of a fibre on the MOFDF on request or to transfer the Direct Fibre Access Service connected to an End User's premises from one Service Provider to another.	Following notification by the LFC of completion of Service Order	Time and materials Based on an hourly rate of \$85 per hour plus material cost
9.22	Direct Fibre Access Service Relinquishment	Where the Service Provider terminates supply of the Direct Fibre Access Service in respect of a particular Service Provider's End User. This entails LFC updating its records and billing. LFC may either physically disconnect the Direct Fibre Access Service at any point between the exchange and the End User's premises or leave the Direct Fibre Access Service circuit intact.	Following notification by the LFC of completion of Service Order	Early Termination Charge (if any) in accordance with section 4 in the Price List
9.23	Co-location space construction	Set up of a new instance of, or change to, Central Office and POI Co-location Service.  The set up of a new co-location site for Service Provider will vary for each exchange and will include the following components: <ul style="list-style-type: none"> <li>- Power feeds enhancement (DC)</li> <li>- Air conditioning enhancement</li> <li>- Seismic rack mounts</li> <li>- Cable tray and rack construction</li> <li>- Exchange manhole breakout</li> <li>- Room construction including items such as demolition and reconstruction of rooms; refurbishment of floor, wall and ceiling surfaces; construction of caging; installation of security systems; obtaining necessary permits and approvals; design; project management.</li> </ul>	Following notification by the LFC of completion of Service Order	Time & materials Based on an hourly rate of \$106 per hour for design and an hourly rate of \$90 per hour for installation plus material cost.
9.24	Tie Cable installation	Charge for the LFC installing the optic fibre tie cable pairs used to connect the block or splice tray on the LFC's MOFDF and either the Service Provider's footprint or the network cable to remotely located Service Provider Equipment, including cable trays and other associated infrastructure. (See full requirements in the Operations Manual.)	Following notification by the LFC of completion of Service Order	Set up charge plus time and materials Based on a set up charge of \$184 plus an hourly rate of \$90 per hour plus material cost

Service component	Description	Charge invoiced	Charge
9.25	Co-location accreditation training	Co-location unaccompanied access accreditation training (including the provision of an access card)	Following notification by the LFC of completion of training \$250.00/participant This fixed fee is calculated based on a 2 hour course duration with a skilled trainer (cost \$99.70 per hour) plus course materials.
9.26	Tie Cable change or re-termination	A fibre change or re-termination requiring the changing of splice/connector change at the MOFDF to effect a port change.	Following completion of re-termination Time Based on an hourly rate of \$62 per hour
9.27	Fixing fault where Service Provider has no right of access	Charge for fixing of fault by the LFC, at Service Provider's request, where Service Provider is responsible for the fault, but has no right of access.	On completion of fault rectification Set up charge plus time and materials Based on a set up charge of \$184 plus an hourly rate of \$90 per hour plus material cost
9.28	Central Office and POI Co-location Service Relinquishment	Where the Service Provider terminates supply of the Central Office and POI Co-location Service in respect of a particular Central Office. This entails LFC updating its records and billing.	Following notification by the LFC of completion of Service Order Early Termination Charge (if any) in accordance with section 4 in the Price List
9.29	Internal removal	Relocation of a service instance of a Bitstream Service or a Direct Fibre Access Service at a Premises (i.e. there is no UFB transfer).	Following notification by the LFC of completion of Service Order \$365 for Business Connection being half install cost \$145 for a Residential Connection
9.30	Change of ONT or NID	The additional charge to change the ONT or NID associated with an existing service instance of the Bitstream Service at a Premises where required to provide a new or changed service e.g. ATA voice, Ethernet or WiFi.	Following notification by LFC of completion of Service Order \$100
9.31	Power Supply (for footprint/rack)	Central Office and POI Co-location Service power monthly rental Central Office classification in Operations Manual.	Monthly Table below

Power Supply (for footprint/rack)					
DC Circuit Breaker		AC Circuit Breaker			
		Not UPS Supported		UPS Supported	
DC Fuse Size	Price	AC Circuit Size Breaker AMP Size	Price	AC Circuit Size Breaker AMP Size	Price
6	\$40.00	1	\$26.00	1	\$30.00
10	\$65.00	2	\$55.00	2	\$60.00
16	\$105.00	3	\$80.00	3	\$85.00
20	\$135.00	4	\$105.00	4	\$110.00
25	\$165.00	5	\$130.00	5	\$140.00
32	\$210.00	6	\$160.00	6	\$170.00
40	\$265.00	7	\$185.00	7	\$195.00
48	\$315.00	8	\$210.00	8	\$225.00

50	\$330.00	9	\$235.00	9	\$250.00
63	\$415.00	10	\$260.00	10	\$280.00

## 10 Table B - UFB non-CFH Miscellaneous Ancillary Service Charges

These charges are the Ancillary Charges for services provided outside of the CFH arrangement and are not subject to CFH Price Caps.

Service component		Description	Charge invoiced	Charge
10.1	Non standard provision of diversity	Provision of diversity to an End User that is not a Priority User or outside the diversity areas specified in the Service Description may also include diverse entry from FAP to OFDF, diverse entry to Central Office and construction of a diverse duct and cabling route from premises to Central Office.	Following notification by the LFC of completion of Service Order	Time & materials Based on an hourly rate of \$106 per hour for design and an hourly rate of \$85 per hour for installation plus material cost.
10.2	Coordinated installation or transfer	Project management of special installations or transfers (if request is cancelled costs to date will be billed).	Following notification by the LFC of completion of Service Order	\$99.70 per hour
10.3	Layer-1 Enterprise SLA	Additional standard monthly rental for Enhanced Service Level (6 hour restore) provided in association with item 6.1, item 6.5, item 6.6, item 6.7 (Direct Fibre Access Services), item 8.1, item 8.2, item 8.3 and item 8.4 (Fibre Interconnection Services).	Monthly	POA
10.4	Layer-2 Enterprise SLA	Additional standard monthly rental for Enhanced Service Level (6 hour restore) provided in association with item 5.20 (Bitstream 3), item 5.19, item 5.51 (Bitstream 3a), item 5.21, item 5.22, item 5.23, item 5.24, item 5.25, item 5.26 (Bitstream 3b) item 5.27, item 5.28, item 5.29, item 5.54, item 5.45 (Bitstream 4), item 5.43 and item 5.44 (E-NNI Handover Services).	Monthly	POA
10.5	Critical Response SLA	LFC technician is On-Site (at either an exchange, cabinet or End User Premises) within 2 hours (for UFF Metro Areas) or with 4 hours (for UFF non-Metro Areas) of the Bitstream 2/3/3a/3b Service/ Bitstream 4 Service / Direct Fibre Access Service fault being logged and received by the LFC.	Following notification by the LFC of completion of Critical Response SLA	\$795 for each Bitstream 2/3/3a/3b Service / Bitstream 4 Service / Direct Fibre Access Service
10.6	Voice Services	Voice only service. (Brownfield only)  Standard monthly rental.  Cannot be provided with a Bitstream 2, Bitstream 3 or Bitstream 3a or Bitstream 3b Service Template.	Monthly	\$29
10.7	Voice Service Installation	Charge for installing Voice Services (Residential Only)	Following notification by the LFC of completion of Service Order	\$0
10.8	Voice Service Installation	Charge for installing Voice Services (Business Only)	Following notification by the LFC of completion of Service Order	POA