

# Tuatahi First Fibre Services Agreement

Price List

July 2022

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# General

## 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.

**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.

## 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 or as otherwise agreed in writing between the LFC and the Service Provider relating to invoicing and payment of Charges.
- 2.5. All prices in this Price List exclude GST.

### 3. Adjustment to Charges

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- 3.1. The adjustments to the Core Charges and Ancillary Charges are set out in this clause 3 are in addition to the rights to adjust the Charges as set out in clause 24 of the General Terms.
- 3.2. The LFC will adjust the Ancillary Charges referred to in Appendix 3 and clause 12 (Input Services Ancillary charges) to pass through increases or decreases in the cost of providing the Ancillary Services.
- 3.3. When adjusting the Ancillary Charges under clause 3.2, the LFC must also review all Ancillary Charges which are POA and provide a fixed price where this is practicable.

### 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 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 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 a relevant Premises or NBAP location 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 Ultra Service.
- 4.6. For example, if on 1 January 2023 a Service Provider terminates a 1Gbps down / 500Mbps up Bitstream 2 Ultra Service (2.5Mbps symmetrical CIR) (priced at \$57.24 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 \$45.99 (being the remaining 6 months multiplied by the then lowest monthly charge for a Bitstream 2 Ultra Service).

## **Input Services**

- 4.7. Except as expressly stated in the General Terms or provided for in this clause 4, in the event of an Early Termination Event, the LFC may require the Access Seeker 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 monthly Charge for the relevant Input Service.

# APPENDIX 1 – TRANSACTIONAL CHARGES

## 1. Bitstream Services

Service component	Description	Charge invoiced	Charge
1.1 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
1.2 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
1.3 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
1.4 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
1.5 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	\$324.67
1.6 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	\$10,819.90
1.7 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 Bitstream 2 Ultra Service
1.8 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
1.9 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.

Service component	Description	Charge invoiced	Charge	
1.10	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.
1.11	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.
1.12	Hyperfibre Home New Connection Connections	The establishment of a new services instance of the Hyperfibre Services 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 Operations Manual.	Following notification by the LFC of completion of Service Order	No Connection Fee for Residential Connections.
1.13	Hyperfibre Small Business, Business or Education New Connection	The establishment of a new services instance of the Hyperfibre Services where that installation is a Small Business, Business or Education Connection (i.e., there is no Bitstream Transfer). The service is established from the provision of a Standard Install as described in the Bitstream Operations Manual.	Following notification by the LFC of completion of Service Order.	Charge equivalent to 1 month's recurring fee for relevant Hyperfibre Small Business, Hyperfibre Business or Hyperfibre Education Service.
1.14	Hyperfibre Small Business, Business or Education for Existing Connection	The establishment of a new services instance of the Hyperfibre Services where that installation already exists at a Small Business, Business or Education Connection (i.e., there is no Bitstream Transfer).	Following notification by the LFC of completion of Service Order.	No Connection Fee where an Existing Fibre Connection exists.
1.15	Hyperfibre Home, Small Business or Business, Upgrade Fee	The Installation of a new connection instance of the Hyperfibre service or the upgrade of an existing Bitstream service instance to a Hyperfibre Service.	Following notification by the LFC of completion of Service Order.	\$364.00 In addition to any new connection fee that may apply.

## 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.
4.5	Inter-CO Fibre Service between Ngaruawahia POI and Hamilton West POI	The establishment of a new service instance of the Inter-CO Fibre Service between the Ngaruawahia POI and Hamilton West POI.	Following notification by the LFC of completion of Service Order.	Charge equivalent to 2 months' recurring fee for this service.
4.6	Inter-CO Fibre Service between Matangi POI and Hamilton East POI	The establishment of a new service instance of the Inter-CO Fibre Service between the Matangi POI and Hamilton East POI.	Following notification by the LFC of completion of Service Order.	Charge equivalent to 2 months' recurring fee for this service.
4.7	Inter-CO Fibre Service between Matangi POI and Cambridge POI	The establishment of a new service instance of the Inter-CO Fibre Service between the Matangi POI and Cambridge POI.	Following notification by the LFC of completion of Service Order.	Charge equivalent to 2 months' recurring fee for this service.
4.8	Inter-CO Fibre Service between Cambridge POI and Hamilton East POI	The establishment of a new service instance of the Inter-CO Fibre Service between the Cambridge POI and Hamilton East POI.	Following notification by the LFC of completion of Service Order.	Charge equivalent to 2 months' recurring fee for this service.
4.9	Inter-CO Fibre Service between Cambridge POI and Te Awamutu POI	The establishment of a new service instance of the Inter-CO Fibre Service between the Cambridge POI and Te Awamutu POI.	Following notification by the LFC of completion of Service Order.	Charge equivalent to 2 months' recurring fee for this service.
4.10	Inter-CO Fibre Service between Te Awamutu POI and Hamilton West POI	The establishment of a new service instance of the Inter-CO Fibre Service between the Te Awamutu POI and Hamilton West POI.	Following notification by the LFC of completion of Service Order.	Charge equivalent to 2 months' recurring fee for this service.
4.11	Inter-CO Fibre Service between Otūmoetai and Tauranga West	The establishment of a new service instance of the Inter-CO Fibre Service between the Otūmoetai CO and Tauranga West POI.	Following notification by the LFC of completion of Service Order.	Charge equivalent to 2 months' recurring fee for this service.
4.12	Inter-CO Fibre Service between Otūmoetai and Tauranga East	The establishment of a new service instance of the Inter-CO Fibre Service between the Otūmoetai CO and Tauranga East POI.	Following notification by the LFC of completion of Service Order.	Charge equivalent to 2 months' recurring fee for this service.

# APPENDIX 2 – RECURRING CHARGES

## 5. Bitstream Services

### Bitstream 2 Ultra

Service component	Description	Charge Invoiced	Charge
5.1 GPON Bitstream 2 Ultra 30 Mbps down / 10 Mbps up with 2.5 Mbps symmetrical CIR with ATA port Service monthly Charge <sup>1</sup>	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 5.29 – 5.32 using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly	\$45.99
5.2 GPON Bitstream 2 Ultra 30 Mbps down / 10 Mbps up with 2.5 Mbps CIR up / 10 Mbps CIR down with ATA port Service monthly Charge <sup>1</sup>	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 5.29 – 5.32 using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly	\$50.06
5.3 GPON Bitstream 2 Ultra 30 Mbps down / 10 Mbps up with 5 Mbps symmetrical CIR with ATA port service Monthly Charge <sup>1</sup>	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 5.29 – 5.32 using the Product Development Process as per part 7 of the Bitstream Operations Services Manual.	Monthly	\$54.06
5.4 GPON Bitstream 2 Ultra 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 5.29 – 5.32 using the Product Development Process as per part 7 of the Bitstream Services Operations Manual	Monthly	\$54.01
5.5 GPON Bitstream 2 Ultra 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 5.29 – 5.32 using the Product Development Process as per part 7 of the Bitstream Services Operations Manual	Monthly	\$57.09

<sup>1</sup> This service component will change on 31 July 2022 to represent the actual product speeds, the actual speeds are specified in the service description for Bitstream 2 Ultra in table 3.4.6

Service component	Description	Charge Invoiced	Charge
5.6	GPON Bitstream 2 Ultra 100 Mbps down /20 Mbps up with 2.5 Mbps symmetrical CIR with ATA port Service monthly Charge <sup>1</sup>	Bitstream 2 Ultra as per the 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 5.29 – 5.32 using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly \$47.87 <sup>2</sup>
5.7	GPON Bitstream 2 Ultra 200 Mbps down /20 Mbps up with 2.5 Mbps symmetrical CIR with ATA port Service monthly Charge <sup>1</sup>	Bitstream 2 Ultra as per the Bitstream 2 Ultra Service Description, section 3.4.6. Standard monthly rental. Additional CIR / EIR options can be provided as described in items 5.29 - 5.32 using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly \$59.53
5.8	GPON Bitstream 2 Ultra 1000 Mbps down /20 Mbps up with 2.5 Mbps symmetrical CIR with ATA port Service monthly Charge	Bitstream 2 Ultra as per the 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 5.29 - 5.32 using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly \$70.35
5.9	GPON Bitstream 2 Ultra 100 Mbps down /100 Mbps up with 2.5 Mbps symmetrical CIR with ATA port Service monthly Charge <sup>1</sup>	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 5.29 - 5.32 using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly \$59.53
5.10	GPON Bitstream 2 Ultra 200 Mbps down /100 Mbps up with 2.5 Mbps symmetrical CIR with ATA port Service monthly Charge <sup>1</sup>	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 5.29 - 5.32 using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly \$59.53
5.11	GPON Bitstream 2 Ultra 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 5.29 - 5.32 using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly \$70.35

<sup>2</sup> The price for Bitstream 2 Ultra 100/20 2.5/2.5 will change from 1 March 2023 to \$49.78.  
Tuatahi First Fibre Reference Offer - Price List - July 2022

Service component	Description	Charge Invoiced	Charge
5.12	GPON Bitstream 2 Ultra 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 5.29 - 5.32 using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly \$59.53
5.13	GPON Bitstream 2 Ultra 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 5.29 - 5.32 using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly \$81.17
5.14	GPON Bitstream 2 Ultra 50 Mbps down / 20 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 5.29 - 5.32 using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly \$45.99
5.15	GPON Bitstream 2 Ultra 50 Mbps down / 20 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 5.29 - 5.32 using the Product Development Process as per part 7 of the Bitstream Operations Services Manual.	Monthly \$54.06

### Bitstream 3

Service component	Description	Charge Invoiced	Charge
5.16	GPON Bitstream 3 100 Mbps down / 100 Mbps up with ATA port Service monthly Charge	Bitstream 3 Template as per Bitstream 3 Service Description, section 3.4.4. Standard monthly rental for option with 2.5 Mbps symmetrical High Priority CIR. High Priority CIR options can be provided as described in items 5.29 - 5.32.	Monthly \$133.92

### Bitstream 3a

Service component	Description	Charge Invoiced	Charge
5.17 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 5.29 - 5.32 Low Priority EIR is reduced as High Priority CIR is increased.</p>	Monthly	\$133.92

### Bitstream 3b

Service component	Description	Charge Invoiced	Charge
5.18 GPON Bitstream 3b 50 Mbps down / 50 Mbps up with ATA port Service monthly Charge	<p>Bitstream 3b Template as per Bitstream 3b Service Description, section 3.4.5.</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 5.29 - 5.32.</p>	Monthly	\$108.22
5.19 GPON Bitstream 3b 50 Mbps down / 50 Mbps up with ATA port Service monthly Charge	<p>Bitstream 3b Template as per Bitstream 3b Service Description, section 3.4.5.</p> <p>Standard monthly rental for option with 10 Mbps symmetrical High Priority CIR.</p> <p>High Priority CIR options can be provided as described in items 5.29 - 5.32.</p>	Monthly	\$120.39
5.20 GPON Bitstream 3b 200 Mbps down / 200 Mbps up with ATA port Service monthly Charge	<p>Bitstream 3b Template as per Bitstream 3b Service Description, section 3.4.5.</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 5.29 - 5.32.</p>	Monthly	\$189.39
5.21 GPON Bitstream 3b 200 Mbps down / 200 Mbps up with ATA port Service monthly Charge	<p>Bitstream 3b Template as per Bitstream 3b Service Description, section 3.4.5.</p> <p>Standard monthly rental for option with 10 Mbps symmetrical High Priority CIR.</p> <p>High Priority CIR options can be provided as described in items 5.29 - 5.32.</p>	Monthly	\$201.56
5.22 GPON Bitstream 3b 1000 Mbps down / 1000 Mbps up with ATA port Service monthly Charge	<p>Bitstream 3b Template as per Bitstream 3b Service Description, section 3.4.5.</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 5.29 - 5.32.</p>	Monthly	\$297.62
5.23 GPON Bitstream 3b 1000 Mbps down / 1000 Mbps up with ATA port Service monthly Charge	<p>Bitstream 3b Template as per Bitstream 3b Service Description, section 3.4.5.</p> <p>Standard monthly rental for option with 10 Mbps symmetrical High Priority CIR.</p> <p>High Priority CIR options can be provided as described in items 5.29 - 5.32.</p>	Monthly	\$309.78

## P2P / Bitstream 4

Service component	Description	Charge Invoiced	Charge
5.24	P2P Bitstream 4100 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 5.33	Monthly \$297.62
5.25	P2P Bitstream 4 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 5.33	Monthly \$378.78
5.26	P2P Bitstream 4 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 5.33	Monthly \$1352.77

## Building Blocks – Multicast

Service component	Description	Charge Invoiced	Charge
5.27	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 – 5.23 and 5.45 – 5.49 Requires an Ethernet port provided in association with items 5.1 - 5.23 and 5.45 – 5.49 or as additional port in item 5.38.	Monthly \$5.42
5.28	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 – 5.23 and 5.45 – 5.49. Service Provider must have purchased a 10 Mbps Ethernet Multicast access channel in 5.27 to purchase additional 10 Mbps Ethernet multicast access channel.	Monthly \$2.70

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

Service component	Description	Charge Invoiced	Charge
5.29	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 – 5.23 and 5.45 – 5.49. Can be used to create additional 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 \$1.35
5.30	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 – 5.23 and 5.45 – 5.49. Can be used to create additional 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 \$2.70

Service component	Description	Charge Invoiced	Charge
5.31	GPON Bitstream additional 10 Mbps EIR down  Additional standard monthly rental for additional 10 Mbps EIR down provided in association with items 5.1 – 5.23 and 5.45 – 5.49.  Can be used to create additional Bitstream 2 Ultra Service Templates using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly	\$1.46
5.32	GPON Bitstream additional 10 Mbps EIR up  Additional standard monthly rental for additional 10 Mbps EIR up provided in association with items 5.1 – 5.23 and 5.45 – 5.49.  Can be used to create additional Bitstream 2 Ultra Service Templates using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly	\$2.92

### Building Blocks – P2P / Bitstream 4

Service component	Description	Charge Invoiced	Charge
5.33	P2P Bitstream additional 10 Mbps CIR symmetrical  Additional standard monthly rental for additional 10 Mbps CIR symmetrical provided in association with item 5.24 – 5.26 and items 5.50 – 5.51.  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	\$10.83
5.34	P2P Bitstream additional 100 Mbps EIR symmetrical  Additional standard monthly rental for 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	\$10.83

### Voice Services

Service component	Description	Charge Invoiced	Charge
5.35	Voice Services (Greenfields)  Voice only service. (Greenfields only) Standard monthly rental.  Cannot be provided with a Bitstream 2 Ultra, Bitstream 3 or Bitstream 3a or Bitstream 3b Service Template.	Monthly	\$27.06
5.36	Voice Services (Brownfields)  Voice only service. (Brownfield only) Standard monthly rental.  Cannot be provided with a Bitstream 2 Ultra, Bitstream 3 or Bitstream 3a or Bitstream 3b Service Template.	Monthly	\$31.39
5.37	Additional voice port  Additional standard monthly rental for additional voice port.	Monthly	\$16.23

### Additional Ethernet Port

Service component	Description	Charge Invoiced	Charge
5.38	Additional Ethernet port  Additional standard monthly rental for additional Ethernet port.	Monthly	\$10.83

## Multicast On-Going Charges

Service component	Description	Charge Invoiced	Charge
5.39	Multicast ongoing fee	Outgoing charge per Mbps. Applies to Multicast domain(s) as described in section 3.4 of the Multicast Service Description. Items 5.27 – 5.28 will apply to each user connecting to the Multicast domain.	Monthly \$1.09
5.40	Multicast ongoing fee	Outgoing charge per Mbps per OLT. Alternative Ethernet Multicast access price. Applies to Multicast domain. 5.27 – 5.28 do not apply.	Monthly \$1.09

## E-NNI Handover

Service component	Description	Charge Invoiced	Charge
5.41	E-NNI port 1 Gbps Handover connection	Standard monthly rental.	Monthly \$108.22
5.42	E-NNI port 10 Gbps Handover connection	Standard monthly rental.	Monthly \$324.67

## Layer 2 Service Levels

Service component	Description	Charge Invoiced	Charge
5.43	Layer Two Enhanced SLA 1	Additional standard monthly rental for enhanced service level provided in association with items 5.1 – 5.26	Monthly \$27.06
5.44	Layer Two Enhanced SLA 2	Additional standard monthly rental for enhanced service level provided in association with items 5.1 – 5.26	Monthly \$54.11

## 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.			
5.45	GPON Bitstream 2 Ultra 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 3.4.6 Educational only standard monthly rental. Additional CIR / EIR options can be provided as described in items 5.29 – 5.32 using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly \$54.11
5.46	GPON Bitstream 2 Ultra 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 3.4.6 Educational only standard monthly rental. Additional CIR / EIR options can be provided as described in items 5.29 – 5.32 using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly \$62.76



Service component	Description	Charge Invoiced	Charge
5.47	GPON Bitstream 3a 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 5.29 – 5.32. Low Priority EIR is reduced as High Priority CIR is increased.	Monthly  \$113.64
5.48	GPON Bitstream 3b 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 5.29 – 5.30.	Monthly  \$81.17
5.49	GPON Bitstream 3b 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 option with 10 Mbps symmetric High Priority CIR and 2.5 Mbps symmetric Low Priority CIR.  CIR options can be provided as described in item 5.29 – 5.30.	Monthly  \$270.56
5.50	P2P Bitstream 4 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 5.33	Monthly  \$227.26
5.51	P2P Bitstream 4 educational ** 1 Gbps down / 1 Gbps up with 10Mbps 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 5.33	Monthly  \$286.79
5.52	Hyperfibre Education 4000 Mbps down / 4000 Mbps with 10Mbps symmetrical CIR	Hyperfibre Business 2000/2000 with 10 Mbps symmetrical High Priority CIR service as per the Hyperfibre Service Description, section 3.7.  Education only standard monthly rental.	Monthly  \$166.40
5.53	Hyperfibre Education 4000 Mbps down / 4000 Mbps with 20Mbps symmetrical CIR	Hyperfibre Business 4000/4000 with 20 Mbps symmetrical High Priority CIR service as per the Hyperfibre Service Description, section 3.7.  Education only standard monthly rental.	Monthly  \$176.f80
5.54	Hyperfibre Education 4000 Mbps down / 4000 Mbps with 50Mbps symmetrical CIR	Hyperfibre Business 4000/4000 with 50 Mbps symmetrical High Priority CIR service as per the Hyperfibre Service Description, section 3.7.  Education only standard monthly rental.	Monthly  \$208.00

Service component	Description	Charge Invoiced	Charge
5.55	Hyperfibre Education 4000 Mbps down / 4000 Mbps with 100Mbps symmetrical CIR	Hyperfibre Business 4000/4000 with 100 Mbps symmetrical High Priority CIR service as per the Hyperfibre Service Description, section 3.7. Education only standard monthly rental.	Monthly \$260.00
5.56	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 \$1623.32, 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.

## Diversity

Service component	Description	Charge Invoiced	Charge
5.57	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

## Hyperfibre Service

Service component	Description	Charge Invoiced	Charge
5.58	Hyperfibre Home 2000 Mbps down / 2000 Mbps with ATA port service monthly charge	Hyperfibre Home 2000/2000 service as per the Hyperfibre Service Description, section 3.7. Residential only standard monthly rental.	Monthly \$83.20
5.59	Hyperfibre Home 4000 Mbps down / 4000 Mbps with ATA port service monthly charge	Hyperfibre Home 4000/4000 service as per the Hyperfibre Service Description, section 3.7. Residential only standard monthly rental.	Monthly \$104.00
5.60	Hyperfibre Small Business 2000 Mbps down / 2000 Mbps with 2.5Mbps symmetrical CIR with ATA port service monthly charge	Hyperfibre Small Business 2000/2000 service as per the Hyperfibre Service Description, section 3.7. Small Business standard monthly rental.	Monthly \$88.40
5.61	Hyperfibre Small Business 4000 Mbps down / 4000 Mbps with 2.5Mbps symmetrical CIR with ATA port service monthly charge	Hyperfibre Small Business 4000/4000 service as per the Hyperfibre Service Description, section 3.7. Small Business standard monthly rental.	Monthly \$109.20

5.62	Hyperfibre Business 4000 Mbps down / 4000 Mbps with 10Mbps symmetrical CIR	Hyperfibre Business 2000/2000 with 10 Mbps symmetrical High Priority CIR service as per the Hyperfibre Service Description, section 3.7. Business only standard monthly rental.	Monthly	\$270.40
5.63	Hyperfibre Business 4000 Mbps down / 4000 Mbps with 20Mbps symmetrical CIR	Hyperfibre Business 4000/4000 with 20 Mbps symmetrical High Priority CIR service as per the Hyperfibre Service Description, section 3.7. Business only standard monthly rental.	Monthly	\$280.80
5.64	Hyperfibre Business 4000 Mbps down / 4000 Mbps with 50Mbps symmetrical CIR	Hyperfibre Business 4000/4000 with 50 Mbps symmetrical High Priority CIR service as per the Hyperfibre Service Description, section 3.7. Business only standard monthly rental.	Monthly	\$312.00
5.65	Hyperfibre Business 4000 Mbps down / 4000 Mbps with 100Mbps symmetrical CIR	Hyperfibre Business 4000/4000 with 100 Mbps symmetrical High Priority CIR service as per the Hyperfibre Service Description, section 3.7. Business only standard monthly rental.	Monthly	\$364.00

## 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 \$270.56
6.2	Layer One Enhanced SLA 1	Additional standard monthly rental for enhanced service level provided in association with item 6.1.	Monthly \$27.06
6.3	Layer One Enhanced SLA 2	Additional standard monthly rental for enhanced service level provided in association with item 6.1.	Monthly \$54.11
6.4	Layer One Enhanced SLA 3	Additional event critical care for enhanced service level provided in association with item 6.1.	Monthly \$108.22
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 \$811.66
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 \$1623.32
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 \$1623.32

## 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 \$10.83
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 \$270.56
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 \$811.56
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 \$1623.32
8.5	Fibre Interconnection Service Enhanced SLA 1	Additional standard monthly rental for enhanced service level provided in association with items 8.1 – 8.4 and 8.8 – 8.16.	Monthly \$27.06
8.6	Fibre Interconnection Service Enhanced SLA 2	Additional standard monthly rental for enhanced service level provided in association with items 8.1 – 8.4 and 8.8 – 8.16.	Monthly \$54.11
8.7	Fibre Interconnection Service Enhanced SLA 3	Additional event critical care for enhanced service level provided in association with items 8.1 – 8.4 and 8.8 – 8.16.	Monthly \$108.22
8.8	Inter-CO Fibre Service between Ngaruawahia and Hamilton West	Inter-CO Fibre Service to provide connection between Ngaruawahia and Hamilton West, standard monthly rental.	Monthly \$844.66
8.9	Inter-CO Fibre Service between Matangi and Hamilton East	Inter-CO Fibre Service to provide connection between Matangi and Hamilton East, standard monthly rental.	Monthly \$844.66
8.10	Inter-CO Fibre Service between Matangi and Cambridge	Inter-CO Fibre Service to provide connection between Matangi and Cambridge, standard monthly rental.	Monthly \$844.66

Service component	Description	Charge Invoiced	Charge
8.11	Inter-CO Fibre Service between Cambridge and Hamilton East	Inter-CO Fibre Service to provide connection between Cambridge and Hamilton East, standard monthly rental.	Monthly \$844.66
8.12	Inter-CO Fibre Service between Cambridge and Te Awamutu	Inter-CO Fibre Service to provide connection between Cambridge and Te Awamutu, standard monthly rental.	Monthly \$527.90
8.13	Inter-CO Fibre Service between Te Awamutu and Hamilton West	Inter-CO Fibre Service to provide connection between Te Awamutu and Hamilton West, standard monthly rental.	Monthly \$844.66
8.14	Inter-CO Fibre Service between Papamoa and Tauranga East	Inter-CO Fibre Service between Papamoa and Tauranga East, standard monthly rental.	Monthly \$844.66
8.15	Inter-CO Fibre Service between Otūmoetai and Tauranga West	Inter-CO Fibre Service between Otūmoetai and Tauranga West standard monthly rental.	Monthly \$844.66
8.16	Inter-CO Fibre Service between Otūmoetai and Tauranga East	Inter-CO Fibre Service between Otūmoetai and Tauranga East standard monthly rental.	Monthly \$844.66

# APPENDIX 3 – ANCILLARY CHARGES

## 9. 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, Direct Fibre Services or Input Service	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. Direct Fibre Services or Input Service	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	\$0 per additional internal metre (residential connections only)  \$9.53 per additional internal metre (for all other Fibre-to-the-Premises connection types)
9.4 MDU End User - Non-standard Fibre Lead-in (Fibre Access Point to OFDF) for new connection of Bitstream Services, Direct Fibre Services or Input Service	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.	<p>Following notification by the LFC of completion of Service Order</p> <p>Time &amp; materials subject to following rules):</p> <p>Based on an hourly rate of \$114.71 per hour for design and an hourly rate of \$97.40 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 \$1,000.00 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, Direct Fibre Services or Input Service	<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 LFC OFDF,</p> <p>within the End User Tenancy is greater than the Standard Install distance specified in the Operations Manual.</p>	<p>Will be charged for a non-standard install with approval from the retailer following the completion of the service order</p> <p>\$0 per additional internal metre (residential connections only)</p> <p>\$9.53 per additional internal metre (for all other Fibre-to-the-Premises connection type)</p>
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 LFC 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 LFC OFDFs at a single Central Office, or to a second Central Office.	<p>Following notification by the LFC of completion of Service Order</p> <p>POA - time &amp; materials.</p> <p>Based on an hourly rate of \$114.71 per hour for design and an hourly rate of \$97.40 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".	<p>Following completion of fault investigation</p> <p>\$113.44 – Truck roll</p> <p>\$43.28 – 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 a Wholesale 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>	<p>Following site visit or cancellation</p> <p>\$183.98</p> <p>Based on two hours of service company installer at \$91.99 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 \$162.33 per hour Training \$105.27 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 \$107.89 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 Wholesale Service	Development of new Wholesale Service Templates as part of Product Development Process including testing and consultation.	Following completion of Product Development Process	Time & materials Interoperability testing and consultation \$162.33 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 \$92.00 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 \$107.89 Field technician \$92.00 Central Office technician \$97.40 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 \$107.89 Field technician \$92.00 Central Office technician \$97.40 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 \$92.00 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	\$26.98



Service component	Description	Charge invoiced	Charge
9.18 Bitstream Relinquishment	Where the Service Provider terminates supply of the Bitstream 2 Ultra, 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 \$92.00 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 \$92.00 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 setup 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 \$114.71 per hour for design and an hourly rate of \$97.40 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 \$199.13 plus an hourly rate of \$97.40 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	\$270.56/participant  This fixed fee is calculated based on a 2 hour course duration with a skilled trainer (cost \$105.27 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 \$67.10 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 \$199.13 plus an hourly rate of \$97.40 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 Wholesale Service transfer).	Following notification by the LFC of completion of Service Order	\$395.01 for Business Connection being half install cost  \$156.93 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	\$108.22
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	\$43.28	1	\$28.14	1	\$32.47
10	\$70.35	2	\$59.53	2	\$64.94
16	\$113.64	3	\$86.58	3	\$92.00
20	\$146.10	4	\$113.64	4	\$119.04
25	\$178.57	5	\$140.69	5	\$151.51
32	\$227.26	6	\$173.15	6	\$183.98
40	\$286.81	7	\$200.21	7	\$211.04
48	\$340.90	8	\$227.26	8	\$243.51
50	\$357.13	9	\$254.32	9	\$270.56
63	\$449.12	10	\$281.37	10	\$303.01

Service component	Description	Charge invoiced	Charge
9.32	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 \$114.71 per hour for design and an hourly rate of \$92.00 per hour for installation plus material cost.
9.33	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  \$107.89 per hour
9.34	Critical Response SLA	LFC technician is On-Site (at either an exchange, cabinet or End User Premises) within 2 hours (for TFF Metro Areas) or with 4 hours (for TFF non-Metro Areas) of the Bitstream 2 Ultra/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  \$860.36 for each Bitstream 2 Ultra/3/3a/3b Service / Bitstream 4 Service / Direct Fibre Access Service
9.35	Voice Service Installation	Charge for installing Voice Services (Residential Only)	Following notification by the LFC of completion of Service Order  \$0
9.36	Voice Service Installation	Charge for installing Voice Services (Business Only)	Following notification by the LFC of completion of Service Order  POA

# APPENDIX 4 – INPUT SERVICES CHARGES

## 10. Input Services Transactional Charges

### PONFAS Distribution Fibre Service

Service component	Description	Charge invoiced	Charge
10.1 PONFAS Lead-in Installation – Residential Connection	<p>The establishment of a new service instance of the PONFAS Distribution Fibre Service where a new Lead-in is required (i.e., no existing spare fibres or intact PONFAS Distribution Fibre Service from the FAP to the End User Premises or Tenancy).</p> <p>Standard Installation Only. Residential Connections Only. The service is established from the provision of a Standard Install as described in the Input Services Operations Manual.</p>	Following notification by the LFC of completion of Input Services Service Order	No Connection Fee for Residential Connections
10.2 PONFAS Lead-in Installation – Business Connection	<p>The establishment of a new service instance of the PONFAS Distribution Fibre Service where a new Lead-in is required (i.e., no existing spare fibres or intact PONFAS Distribution Fibre Service from the FAP to the End User Premises or Tenancy).</p> <p>Standard Installation Only. Business Connections Only. The service is established from the provision of a Standard Install as described in the Input Services Operations Manual.</p>	Following notification by the LFC of completion of Input Services Service Order	Charge equivalent to 1 month's recurring fee for the PONFAS Distribution Fibre Service
10.3 PONFAS Distribution Fibre Service (Intact Premises/No PONFAS) – Residential Connection	<p>The establishment of a new service instance of the PONFAS Distribution Fibre Service where an intact Lead-in can be used and PONFAS Distribution Fibre Service has not been previously connected at the Premises or End User Tenancy.</p> <p>Standard Installation Only. Residential Connections Only. The service is established from the provision of a Standard Install as described in the Input Services Operations Manual.</p>	Following notification by the LFC of completion of Input Services Service Order	No Connection Fee for Residential Connections
10.4 PONFAS Distribution Fibre Service (Intact Premises/No PONFAS) – Business Connection	<p>The establishment of a new service instance of the PONFAS Distribution Fibre Service where an intact Lead-in can be used and PONFAS Distribution Fibre Service has not been previously connected at the Premises or End User Tenancy.</p> <p>Standard Installation Only. Business Connections Only. The service is established from the provision of a Standard Install as described in the Input Services Operations Manual.</p>	Following notification by the LFC of completion of Input Services Service Order	Charge equivalent to 1 month's recurring fee for the PONFAS Distribution Fibre Service

Service component	Description	Charge invoiced	Charge
10.5 PONFAS Distribution Fibre Service (Intact Premises / Previous PONFAS) – Residential Connection	<p>The establishment of a new service instance of the PONFAS Distribution Fibre Service where an intact Lead-in can be used and PONFAS Distribution Fibre Service has been previously connected at the Premises or End User Tenancy.</p> <p>Standard Installation Only. Residential Connections Only.</p> <p>The service is established from the provision of a Standard Install as described in the Input Services Operations Manual.</p>	Following notification by the LFC of completion of Input Services Service Order	No Connection Fee for Residential Connections
10.6 PONFAS Distribution Fibre Service (Intact Premises / Previous PONFAS) – Business Connection	<p>The establishment of a new service instance of the PONFAS Distribution Fibre Service where an intact Lead-in can be used and PONFAS Distribution Fibre Service has been previously connected at the Premises or End User Tenancy.</p> <p>Standard Installation Only. Business Connections Only.</p> <p>The service is established from the provision of a Standard Install as described in the Input Services Operations Manual.</p>	Following notification by the LFC of completion of Input Services Service Order	Charge equivalent to 1 month's recurring fee for the PONFAS Distribution Fibre Service

### PONFAS Feeder Fibre Service

Service component	Description	Charge invoiced	Charge
10.7 PONFAS Feeder Fibre Service New Connection	<p>The establishment of a new service instance of the PONFAS Feeder Fibre Service (including Splitter).</p> <p>The service is established from the provision of a Standard Install as described in the Input Services Operations Manual.</p>	Following notification by the LFC of completion of Input Services Service Order	No Connection Fee

### Input Direct Fibre Access Service

Service component	Description	Charge invoiced	Charge
10.8 Input Direct Fibre Access Service New Connection	<p>The establishment of a new service instance of the Input Direct Fibre Access Service (i.e., there is no Input Direct Fibre Access transfer).</p> <p>The service is established from the provision of a Standard Install as described in the Input Services Operations Manual.</p>	Following notification by the LFC of completion of Input Services Service Order	Charge equivalent to 2 months' recurring fee for Input Direct Fibre Access Service
10.9 Provision of Priority User service route diversity	<p>Provision of diversity to an End User that is a Priority User and within the diversity areas specified in the Input Services Service Description, comprising a separate diverse fibre from a common FAP at the End User Premises to a single point of entry and the LFC's 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.</p>	Following notification by the LFC of completion of Input Services Service Order	Charge equivalent to 2 months' recurring fee for the new diversity service

Service component	Description	Charge invoiced	Charge	
10.10	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 Input Services Service Description, comprising a separate diverse fibre from a separate FAP at the End User Premises to a single point of entry and the LFC's 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 Input Services Service Order	Charge equivalent to 2 months' recurring fee for the new diversity service

## Input Central Office and POI Co-location Services

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

## 11. Input Services Recurring Charges

### PONFAS Distribution Fibre Services

Service component	Description	Charge Invoiced	Charge
11.1	PONFAS Distribution Fibre Service Monthly Charge	PONFAS Distribution Fibre Service as per the PONFAS Service Description. Standard monthly rental.	Monthly \$43.88

### PONFAS Feeder Fibre Services

Service component	Description	Charge Invoiced	Charge
11.2	PONFAS Feeder Fibre Service Monthly Charge	PONFAS Feeder Fibre Service as per the PONFAS Service Description. Standard monthly rental.	Monthly \$195.14

### Input Distribution Fibre Access Service

Service component	Description	Charge Invoiced	Charge
11.3	Input Direct Fibre Access Service Monthly Charge	Input Direct Fibre Access Service standard monthly rental	Monthly \$259.23
11.4	Priority User service route diversity	Diversity service to an End User that is a Priority User and within the diversity areas specified in the Input Services Service Description, comprising a separate diverse fibre from a common FAP at the End User Premises to a single point of entry and the LFC's OFDF at a single Central Office.	Monthly POA
11.5	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 Input Services Service Description, comprising a separate diverse fibre from a separate FAP at the End User Premises to a single point of entry and the LFC's OFDF at a single Central Office.	Monthly POA

Service component	Description	Charge Invoiced	Charge
11.6	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 Input Services 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 LFC OFDF at a single Central Office, or to a second Central Office.	Monthly POA

### Input Central Office and POI Co-Location Service

Service component	Description	Charge Invoiced	Charge
11.7	Input Central Office and POI Co-location Service Footprint monthly Charge	Input Central Office and POI Co-location Service 600 400 footprint standard monthly rental. Central Office classification in Operations Manual.	Monthly \$1,549.01

## 12. Input Services Ancillary Charges

This section identifies specific Ancillary Charges that apply to Input Services that are not already identified under Ancillary Charges specified in Appendix 3.

Service component	Description	Charge invoiced	Charge
12.1	Manual line testing and site investigation	Measurements performed by a specialist group of service company staff to ascertain actual rather than theoretical estimated Input 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 \$87.13 per hour plus material cost
12.2	PONFAS Distribution Fibre Transfer Between Access Seekers	The transfer of an active PONFAS Distribution Fibre service instance from one Access Seeker to another as authorised by the End User (including Truck Roll).	Following notification by the LFC of completion of Input Services Service Order \$87.13
12.3	PONFAS Distribution Fibre Change Same Access Seeker	The transfer of an active PONFAS Distribution Fibre service instance from one Access Seeker splitter to another splitter for the same Access Seeker in the same FFP (including Truck Roll).	Following notification by the LFC of completion of Input Services Service Order \$87.13
12.4	PONFAS Distribution Fibre Termination	Termination of a PONFAS Distribution Fibre service instance (including Truck Roll).	Following notification by the LFC of completion of Input Services Service Order \$87.13
12.5	PONFAS Feeder Fibre Splitter Change	The change of splitter ratio for an existing Feeder Fibre service instance (including Truck Roll).	Following notification by the LFC of completion of Input Services Service Order \$87.13 per hour + materials
12.6	PONFAS Feeder Fibre Termination	Termination of a PONFAS Feeder Fibre service instance (including Truck Roll).	Following notification by the LFC of completion of Input Services Service Order \$133.25
12.7	Input Direct Fibre Access Service Termination	Termination of an Input Direct Fibre Access service instance (including Truck Roll).	Following notification by the LFC of completion of Input Services Service Order \$0
12.8	Bidirectional OTDR Test	Bidirectional OTDR test of relevant Input Services.	Following notification by the LFC of completion of Input Services Service Order \$92.25 per hour

Service component		Description	Charge invoiced	Charge
12.9	End User No Show	End User is not available at the agreed location (e.g., Premises, End User Tenancy) and/or on the date and/or time agreed with the LFC (or their agent); and the LFC is unable to undertake the intended works (e.g., scoping visit, service activation).	Following site visit cancellation or reschedule	\$174.25
12.10	Move Existing Internal Termination Point (ITP)	Relocation of an ITP for a PONFAS Distribution Fibre Service or iDFAS within a single End User Premises or End User Tenancy (i.e., under the same roof line).	Following notification by the LFC of completion of Input Services Service Order	\$374.13 minimum charge \$87.13 per hour (after 3 hours) + materials