

## **Chorus UFB Services Agreement**

Price List

Reference Offer

March 2022

## Document Version History

| Version | Date          | Author              | Description of Change   |
|---------|---------------|---------------------|---|
| 1.0     | December 2012 | Alan Mitford-Taylor | Initial version   |
| 2.0     | July 2013     | Alan Mitford-Taylor | NIPA glidepath changes  |
| 3.0     | July 2014     | Alan Mitford-Taylor | NIPA glidepath changes, inclusion of Accelerate Plans and ICABS                       |
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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.

**Complex CPE** means any CPE noted in a list of complex CPE that will be prepared by the LFC and made available to the Service Provider based on equipment submitted for inclusion by Service Providers; the LFC may update the list of complex CPE from time to time in its absolute discretion.

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

**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.

**Simple CPE** means any CPE noted in a list of simple CPE that will be prepared by the LFC and made available to the Service Provider based on equipment submitted for inclusion by Service Provider. The LFC may update the list of simple CPE from time to time at its absolute discretion.

**Recurring Charges** are the monthly recurring charges for Wholesale Services set out in Appendix 2.

**Transactional Charges** are charges (primarily for one-off activities) in respect of specific Wholesale Services that are set out in Appendix 1.

**Commercial 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 Recurring Charges for part months are pro rated based on the actual days in the applicable month.
- 2.2. The services referred to in Appendix 3 are the Ancillary Services.
- 2.3. Transactional Charges and Ancillary Charges can be either:
  - 2.3.1. fixed; or
  - 2.3.2. calculated on a fixed hourly rate (plus materials where applicable); or
  - 2.3.3. expressed as "price on application" (**POA**) to reflect the underlying cost of providing the resources and project management skills required to provide the service.
- 2.4. For all POA price items, LFC must, if requested by the Service Provider, use all reasonable endeavours to provide the Service Provider with two or more competitive quotes.
- 2.5. 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.
- 2.6. All prices in this Price List exclude GST.

## 3. Adjustment to Charges

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- 3.1. The adjustments to the Charges 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 and the adjustment mechanism identified, if any, in the column "Price Change Mechanism" is in addition to such adjustment rights.
- 3.2. **[Not used]:**
  - 3.3. [Not used]
- 3.4. The LFC may adjust the Charges in the column "Price Change Mechanism" and identified as "3.4" at the LFC's discretion (and without requiring any approvals under this Price List) on 30 Business Days' notice to the Service Provider.
- 3.5. Subject to the methodology in Appendix 6, the LFC may amend any Ancillary Charge which are POA to a fixed price on 60 Business Days' notice to the Service Provider. If the LFC provides a fixed price, it will also specify the applicable Price Change Mechanism.
- 3.6. PONFAS price change methodology Charge will mirror current L2 reference offer for both standard and non-standard connections.

## 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 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 End User Premises, Service Provider Premises or NBAP (as applicable) using the LFC Network (an **Early Termination Event**) then early termination charges (**Early Termination Charges**) may be payable by the Service Provider.
- 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 below in respect of:
- 4.5.1. “Residential Install Services”;
  - 4.5.2. “Qualifying Services”;
  - 4.5.3. “No ETC Services”;
  - 4.5.4. “Primary Service Provider Terminations”, and
  - 4.5.5. PONFAS Services.
- (as defined below), 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 Charges that would have been payable by the Service Provider for the supply of that Wholesale Service had the supply continued until the end of the Minimum Service Term.

### Residential Install Services

- 4.6. For the purpose of this Price List a “Residential Install Service” means:
- 4.6.1. Baseband when ordered as a standalone voice only service in greenfields:
  - 4.6.2. the following Bitstream 2 Service variants (where they are being supplied to a Residential Connection):
    - 4.6.2.1. 30 Mbps down / 10Mbps up (CIR 2.5Mbps symmetrical) Appendix 2 item 1.1 Bitstream 2 template 1;
    - 4.6.2.2. 30 Mbps down / 10Mbps up (CIR 2.5Mbps symmetrical plus 7.5Mbps down) Appendix 2 item 1.2 Bitstream 2 template 2;
    - 4.6.2.3. 30 Mbps down / 10Mbps up (CIR 5Mbps symmetrical) Appendix 2 item 1.3 Bitstream 2 template 3;

- 4.6.2.4. 100Mbps down / 50Mbps up (CIR 2.5Mbps symmetrical plus 7.5Mbps down) Appendix 2 item 1.4 Bitstream 2 template 4; and
- 4.6.3. any other variants of Bitstream 2 or Bitstream 2 Accelerate Services for which the Standard Install is provided without charge by the LFC (as specified in the Price List).
- 4.7. If a Residential Install Service is subject to an Early Termination Event, then the LFC may require the Service Provider to pay 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.
- 4.8. For example, if at 1 July 2012 a Service Provider terminates a residential 100Mbps down / 50Mbps up Bitstream 2 Service (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.)

### Qualifying Services

- 4.9. For the purpose of this Price List a “Qualifying Service” means the following Wholesale Services:
  - 4.9.1. any Bitstream 2 or Bitstream 2 Accelerate Service that is not a Residential Install Service;
  - 4.9.2. all Bitstream 3 or Bitstream 3 Accelerate Services; and
  - 4.9.3. all Bitstream 3A or Bitstream 3A Accelerate Services.
- 4.10. If a Qualifying Service is subject to an Early Termination Event, then, subject to clause 4.4, the LFC may require the Service Provider to pay 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.
- 4.11. For example, if at 1 July 2012 a Service Provider terminates a 100Mbps / 100Mbps Bitstream 3 Service (priced at \$175 per month), which is 6 full months into a Minimum Service Term of 12 months, and clause 4.4 does not apply, the LFC may require the Service Provider to pay an Early Termination Charge of 6 times \$37.50 (being the remaining 6 months of the Minimum Service Term multiplied by the lowest monthly charge for a Bitstream 2 Service.)
- 4.12. The LFC will waive the Early Termination Charge specified in clause 4.10 if the Qualifying Service is terminated within the Minimum Service Term and another Service Provider commences taking a Wholesale Service from the LFC (for which the LFC will be paid a Charge equal to or greater than the terminated Qualifying Service) for the same Premises (or End User Tenancy in the case of an MDU) at the time the Service Provider terminates the Qualifying Service.

### No ETC Services

- 4.13. For the purpose of this Price List a “No ETC Service” means the Bitstream 4 Service (all variants), the Direct Fibre Access Service, the Bandwidth Fibre Access Service, the Intra Candidate Area Backhaul Service and the Jumpering Service.
- 4.14. If a No ETC Service is subject to an Early Termination Event (pursuant to a Service Provider’s termination) and the Service Provider complies with the notice periods relating to that termination set out in the General Terms, then the LFC will not levy any Early Termination Charge in respect of the unexpired portion of the Minimum Service Term.

**Primary Service Provider Terminations**

- 4.15. If the LFC ceases to provide a Wholesale Service pursuant to clause 9.3(c) of the General Terms because the Service Provider has not become the Primary Service Provider in accordance with clause 9.3(c) of the General Terms, then the LFC will not levy any Early Termination Charge in respect of the unexpired portion of the Minimum Service Term of the Wholesale Service terminated pursuant to clauses 9.3 (c) and 9.3(d) of the General Terms.

**PONFAS Distribution Services**

- 4.16. If a PONFAS Distribution Service is subject to an Early Termination Event, then, subject to clause 4.4, the LFC may require the Service Provider to pay 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 a PONFAS Distribution Service.



## APPENDIX 1 – TRANSACTIONAL CHARGES

### TABLE A – Services<sup>1</sup>

#### 1 Bitstream Services

| Service component  | Description   | Charge invoiced  | Charge   |
|--|---|--|--|
| 1.1 Bitstream 2 or Bitstream 2 Accelerate Services Residential New Connection                      | The establishment of a new service instance of the Bitstream 2 or Bitstream 2 Accelerate 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 or Bitstream 2 Accelerate Service Description.                      | Following notification by the LFC of completion of Service Order | No Connection Fee for Residential Connections  |
| 1.2 Bitstream 2 or Bitstream 2 Accelerate or Small Business Fibre Services Business New Connection | The establishment of a new service instance of the Bitstream 2 or Bitstream 2 Accelerate or Small Business Fibre 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 or Bitstream 2 Accelerate Service Description. | Following notification by the LFC of completion of Service Order | Charge equivalent to 1 months recurring fee for relevant Bitstream 2 or Bitstream 2 Accelerate or Small Business Fibre Service |
| 1.3 Bitstream 3, 3A or Bitstream 3, 3A Accelerate Services New Connection                          | The establishment of a new service instance of the Bitstream 3, 3A or Bitstream 3, 3A Accelerate Services (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 or Bitstream 3, 3A Accelerate Service Descriptions.  | Following notification by the LFC of completion of Service Order | Charge equivalent to 1 months recurring fee for relevant Bitstream 3 or 3A or Bitstream 3 or 3A Accelerate Services            |
| 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 Operations Manual.)   | Following notification by the LFC of completion of Service Order | \$312.18   |
| 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 | \$10,405.89  |

<sup>1</sup> Changes for these charges are governed by clause 24.4 of the General Terms.

| Service component  | Description   | Charge invoiced   | Charge   |
|--|---|---|--|
| 1.7 Bitstream 2 or Bitstream 2 Accelerate Educational <sup>2</sup> Services New Connection   | The establishment of a new service instance of the Bitstream 2 or Bitstream 2 Accelerate Service where that installation is a Education Services 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 or Bitstream 2 Accelerate Service Description. | Following notification by the LFC of completion of Service Order  | Charge equivalent to 1 months recurring fee for relevant Bitstream 2 or Bitstream 2 Accelerate Education Service                         |
| 1.8 Bitstream 3A or Bitstream 3A Accelerate Educational <sup>3</sup> Services New Connection | The establishment of a new service instance of the Bitstream 3A or Bitstream 3A Accelerate Service where that installation is a Education Services Connection (i.e. there is no Bitstream Transfer). The service is established from the provision of a Standard Install as described in the Bitstream 3A Service Descriptions.                       | Following notification by the LFC of completion of Service Order  | Charge equivalent to 1 months recurring fee for relevant Bitstream 3A or Bitstream 3A Accelerate Education Service                       |
| 1.9 Bitstream 4 Educational <sup>3</sup> Services New Connection                             | The establishment of a new service instance of the Bitstream Service 4 where that installation is an Education Services 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 months recurring fee for relevant Bitstream 4 Education Service   |
| 1.10 Wi-Fi port Installation   | Additional charge for installation of a primary or secondary service that includes a Wi-Fi port   | Following notification by the LFC of completion of Service Order  | \$52.03  |
| 1.11 Hyperfibre Consumer New Connection  | The establishment of a new service instance of the Hyperfibre 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 Operations Manual.   | Following notification by the LFC of completion of Service Order. | No Connection Fee for Residential Connections.   |
| 1.12 Hyperfibre Small Business, Business or Education New Connection                         | The establishment of a new service instance of the Hyperfibre Service 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 months recurring fee for relevant Hyperfibre Small Business, Hyperfibre Business or Hyperfibre Education Service. |
| 1.13 Hyperfibre Consumer, Small Business, Business or Education 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. | \$399.00<br>In addition to any new connection fee that may apply   |

<sup>2</sup> Prices for Educational services are available only to an approved list of educational organisations provided by the Ministry of Education, see <http://www.educationcounts.govt.nz/directories/list-of-nz-schools>.

| Service component  | Description  | Charge invoiced  | Charge     |
|--|--|--|------------|
| 1.14 Mobile Access Service New Connection                    | The establishment of a new service instance of the Mobile Access Service (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 | \$2,000.00 |
| 1.15 Provision of a Truck roll                               | The provision of a truck roll to facilitate an ancillary service that is not provided contemptuously with a new service instance.  | Following notification by the LFC of completion of Service Order | \$57.16    |
| 1.16 E-NNI Handover Connection Diverse 1x1 port Installation | Charge for LFC installing diverse E-NNI ports in 1x1 including connection on the LFC's MOFDF and to Service Provider equipment located within the same Central Office. (See full requirements in Bitstream Operations Manual.)       | Following notification by the LFC of completion of Service Order | \$624.36   |
| 1.17 E-NNI Handover Connection Diverse 2x2 port Installation | Charge for LFC installing diverse E-NNI ports in 2x2 including connection on the LFC's MOFDF and to Service Provider equipment located within the same Central Office. (See full requirements in Bitstream Operations Manual.)       | Following notification by the LFC of completion of Service Order | \$1,248.72 |
| 1.18 E-NNI Handover Connection Diverse 3x3 port Installation | Charge for LFC installing diverse E-NNI ports in 3x3 including connection on the LFC's MOFDF and to Service Provider equipment located within the same Central Office. (See full requirements in Bitstream Operations Manual.)       | Following notification by the LFC of completion of Service Order | \$1,873.08 |
| 1.19 E-NNI Handover Connection Diverse 4x4 port Installation | Charge for LFC installing diverse E-NNI ports in 2x2 including connection on the LFC's MOFDF and to Service Provider equipment located within the same Central Office. (See full requirements in Bitstream Operations Manual.)       | Following notification by the LFC of completion of Service Order | \$2,497.44 |

## 2 Direct Fibre Access Service

| Service component                      | Description  | Charge invoiced  | Charge  |
|--|--|--|---|
| 2.1 Direct Fibre Access 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 |

## 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 Jumpering Service

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| Service component   | Description   | Charge invoiced  | Charge    |
|---|---|--|-----------|
| 4.1 Jumpering Service New Connection with Access Fibre or Bandwidth Service | The establishment of a new service instance of the Jumpering Service contemporaneously with the installation of a Direct Fibre Access or Bandwidth Fibre Access Service or Backhaul Service. The service is established from the provision of a Standard Install as described in the Jumpering Service Description. | Following notification by the LFC of completion of Service Order | No charge |

**TABLE B – Services Subject to Price Review<sup>3</sup>****5 Chorus Data Centre Connect and Bandwidth Fibre Access Service**

| Service component  | Description  | Charge invoiced  | Charge   |
|--|--|--|--|
| 5.1 Bandwidth Fibre Access New Connection to a Premises in Chorus UFB Zone (Funded Network), RBI Zone (Funded Network) and Blue Zone | The establishment of a new service instance of the Bandwidth Fibre Access Service to a Passed Premises (i.e. there is no Bandwidth Fibre Access Transfer). The service is established from the provision of a Standard Install as described in the Bandwidth Fibre Access Service Description. | Following notification by the LFC of completion of Service Order | Charge equivalent to 2 months recurring fee for Bandwidth Fibre Access Service |
| 5.2 Chorus Data Centre Connect Service New Connection  | The establishment of a new service instance of the Chorus Data Centre Connect Service (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 | \$1,500.00   |

**6 Intra Candidate Area Backhaul Service**

| Service component  | Description   | Charge invoiced  | Charge  |
|--|---|--|---|
| 6.1 Intra Candidate Area Backhaul New Connection with Access Fibre | The establishment of a new service instance of the Intra Candidate Area Backhaul Service contemporaneously with the installation of a Direct Fibre Access or Bandwidth Fibre Access Service (i.e. there is no Intra Candidate Area Backhaul Transfer). The service is established from the provision of a Standard Install as described in the Intra Candidate Area Backhaul Service Description. | Following notification by the LFC of completion of Service Order | No charge   |
| 6.2 Intra Candidate Area Backhaul New Connection                   | The establishment of a new service instance of the Intra Candidate Area Backhaul Service as a standalone install (i.e. there is no Intra Candidate Area Backhaul Transfer). The service is established from the provision of a Standard Install as described in the Intra Candidate Area Backhaul Service Description.  | Following notification by the LFC of completion of Service Order | Charge equivalent to 2 months recurring fee for Intra Candidate Area Backhaul Service |

<sup>3</sup> Changes for these charges are governed by clause 24.4 of the General Terms.

## 7 Voluntary Direct Fibre Access Service

| Service component   | Description   | Charge invoiced  | Charge  |
|---|---|--|---|
| 7.1 Voluntary Direct Fibre Access New Connection – within Blue Zone or the Green Zone | The establishment of a new service instance of the Voluntary Direct Fibre Access Service (i.e. there is no Voluntary Direct Fibre Access Transfer) within the Blue Zone or Green Zone. 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 |

## 8 Chorus Regional Transport Service

| Service component                            | Description  | Charge invoiced  | Charge |
|--|--|--|--------|
| 8.1 Chorus Regional Transport New Connection | The establishment of a new service instance of the Chorus Regional Transport Service (i.e. there is no Chorus Regional Transport Service Transfer). The service is established from the provision of a Standard Install as described in the Chorus Regional Transport Service Description. | Following notification by the LFC of completion of Service Order | \$720  |

## APPENDIX 2 – RECURRING CHARGES

### TABLE A – Services<sup>4</sup>

#### 1 Bitstream Services

|     | Service component  | Description  | Charge Invoiced | Charge   |
|-----|--|--|-----------------|----------|
| 1.1 | GPON Bitstream 2 or Bitstream 2 Accelerate 30 Mbps down / 10 Mbps up with 2.5 Mbps symmetrical CIR with ATA port Service Monthly Charge                        | Bitstream 2 or Bitstream 2 Accelerate as per appropriate Service Description.<br>Residential only.<br>Additional CIR EIR options can be provided using the Product Development Process as per the Bitstream Operations Manual. | Monthly         | \$44.22  |
| 1.2 | GPON Bitstream 2 30 Mbps down / 10 Mbps up with 10 Mbps CIR down / 2.5 Mbps CIR up with ATA port Service Monthly Charge  | Bitstream 2 Template 2 as per Bitstream 2 Service Description.<br>Residential only.  | Monthly         | \$48.13  |
| 1.3 | GPON Bitstream 2 or Bitstream 2 Accelerate 30 Mbps down / 10 Mbps up with 5 Mbps symmetrical CIR with ATA port Service Monthly Charge                          | Bitstream 2 or Bitstream 2 Accelerate as per appropriate Service Description.<br>Additional CIR EIR options can be provided using the Product Development Process as per the Bitstream Operations Manual.                      | Monthly         | \$51.98  |
| 1.4 | GPON Bitstream 100 Mbps down / 50 Mbps up with 10 Mbps CIR down / 2.5 Mbps CIR up with ATA port Service Monthly Charge   | Bitstream 2 Template 4 as per Bitstream 2 Service Description.   | Monthly         | \$51.93  |
| 1.5 | GPON Bitstream 100 Mbps down / 100 Mbps up with 2.5 Mbps symmetrical High Priority CIR with ATA port Service Monthly Charge                                    | Bitstream 3A Template as per Bitstream 3A Service Description.<br>High Priority CIR options can be provided. Low Priority EIR is reduced as High Priority CIR is increased.  | Monthly         | \$182.11 |
| 1.6 | GPON Bitstream 3 or Bitstream 3 Accelerate 100 Mbps down / 100 Mbps up option with 2.5 Mbps symmetrical High Priority CIR with ATA port Service Monthly Charge | Bitstream 3 or Bitstream 3 Accelerate as per appropriate Service Description.<br>High Priority CIR options can be provided.  | Monthly         | \$182.11 |

<sup>4</sup> Changes for these charges are governed by clause 24.4 of the General Terms.

| Service component   | Description  | Charge Invoiced | Charge     |
|---|--|-----------------|------------|
| 1.7 P2P Bitstream 100 Mbps down / 100 Mbps up with 10 Mbps symmetric High Priority CIR Monthly Charge | Bitstream 3A Service as described in the Bitstream 3A Service Description.<br>CIR options can be provided. Low Priority EIR is reduced as High Priority CIR is increased.  | Monthly         | \$405.83   |
| 1.8 P2P Bitstream 1 Gbps down / 1 Gbps with 10 Mbps symmetric High Priority CIR Monthly Charge        | Bitstream 3A Service as described in the Bitstream 3A Service Description.<br>CIR options can be provided. Low Priority EIR is reduced as High Priority CIR is increased.  | Monthly         | \$483.88   |
| 1.9 P2P Bitstream 100 Mbps down / 100 Mbps up with 0 CIR Service Monthly Charge                       | Bitstream 4 Service as described in Bitstream 4 Service Description.<br>CIR options can be provided.   | Monthly         | \$395.42   |
| 1.10 P2P Bitstream 1 Gbps down / 1 Gbps up with 0 CIR Service Monthly Charge                          | Bitstream 4 Service as described in Bitstream 4 Service Description.<br>CIR options can be provided.   | Monthly         | \$473.47   |
| 1.11 P2P Bitstream 10 Gbps down / 10 Gbps up with 0 CIR Service Monthly Charge                        | Bitstream 4 Service as described in Bitstream 4 Service Description.<br>CIR options can be provided.   | Monthly         | \$1,410.00 |
| 1.12 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 GPON Bitstream and Bitstream Accelerate Services and Option A.<br><br>Can be provided via an additional Ethernet Port if required.   | Monthly         | \$5.21     |
| 1.13 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 GPON Bitstream and Bitstream Accelerate Services and Option A. Service Provider must have purchased a 10 Mbps Ethernet Multicast Access Channel to purchase additional 10 Mbps Ethernet Multicast Access channel. | Monthly         | \$2.60     |
| 1.14 Additional 5 Mbps Ethernet Multicast Access channel Service Monthly Charge                       | Additional Standard Monthly rental for second 5 Mbps Ethernet Multicast Access channel provided in association with GPON Bitstream and Bitstream Accelerate Services and Option A. Service Provider must have purchased a 10 Mbps Ethernet Multicast Access Channel to purchase additional 5 Mbps Ethernet Multicast Access channel.   | Monthly         | \$1.30     |



| Service component   | Description  | Charge Invoiced | Charge   |
|---|--|-----------------|--|
| 1.15 GPON Bitstream<br>Additional 2.5 Mbps CIR<br>down      | Additional Standard Monthly rental for<br>Additional 2.5 Mbps CIR down provided in<br>association with GPON Bitstream and<br>Bitstream Accelerate Services.<br><br>Can be used to create additional Bitstream<br>2, Bitstream 2 Accelerate, Bitstream 3,<br>Bitstream 3 Accelerate Bitstream 3A or<br>Bitstream 3A Accelerate Service<br>Templates using the Product Development<br>Process as per the Bitstream Operations<br>Manual.     | Monthly         | \$1.30   |
| 1.16 GPON Bitstream<br>Additional 2.5 Mbps CIR<br>up        | Additional Standard Monthly rental for<br>Additional 2.5 Mbps CIR up provided in<br>association GPON Bitstream and<br>Bitstream Accelerate Services.<br><br>Can be used to create additional Bitstream<br>2, Bitstream 2 Accelerate, Bitstream 3,<br>Bitstream 3 Accelerate Bitstream 3A or<br>Bitstream 3A Accelerate Service<br>Templates using the Product Development<br>Process as per the Bitstream Operations<br>Manual.            | Monthly         | \$2.60   |
| 1.17 GPON Bitstream<br>Additional 10 Mbps EIR<br>down       | Additional Standard Monthly rental for<br>Additional 10 Mbps EIR down provided in<br>association with GPON Bitstream 2 and<br>Bitstream 2 Accelerate Services.<br><br>Can be used to create additional Bitstream<br>2, Bitstream 2 Accelerate, Bitstream 3,<br>Bitstream 3 Accelerate, Bitstream 3A or<br>Bitstream 3A Accelerate Service<br>Templates using the Product Development<br>Process as per the Bitstream Operations<br>Manual. | Monthly         | \$1.40   |
| 1.18 GPON Bitstream<br>Additional 10 Mbps EIR<br>up         | Additional Standard Monthly rental for<br>Additional 10 Mbps EIR up provided in<br>association with GPON Bitstream 2 and<br>Bitstream 2 Accelerate Services.<br><br>Can be used to create additional Bitstream<br>2, Bitstream 2 Accelerate, Bitstream 3,<br>Bitstream 3 Accelerate, Bitstream 3A or<br>Bitstream 3A Accelerate Service<br>Templates using the Product Development<br>Process as per the Bitstream Operations<br>Manual.   | Monthly         | \$2.81   |
| 1.19 P2P Bitstream<br>Additional 10 Mbps CIR<br>symmetrical | Additional Standard Monthly rental for<br>Additional 10 Mbps CIR symmetrical<br>provided in association with P2P Bitstream<br>Services.<br><br>Can be used to create additional Bitstream<br>4 Service Templates using the Product<br>Development Process as per part 7 of the<br>Bitstream Operations Manual.   | Monthly         | Bitstream 4<br>\$10.10<br>Enhanced Bitstream 4<br>\$3.00 |

| Service component  | Description   | Charge Invoiced | Charge   |
|--|---|-----------------|----------|
| 1.20 P2P Bitstream<br>Additional 100 Mbps EIR<br>symmetrical | Additional Standard Monthly rental for<br>Additional 100 Mbps EIR symmetrical<br>provided in association with P2P Bitstream<br>Services.<br><br>Can be used to create additional Bitstream<br>4 Service Templates using the Product<br>Development Process as per the Bitstream<br>Operations Manual.   | Monthly         | \$10     |
| 1.21 Voice Services  | Voice only service.<br><br>Standard Monthly rental.<br><br>Cannot be provided with any Bitstream 2,<br>Bitstream 2 Accelerate, Bitstream 3,<br>Bitstream 3 Accelerate, Bitstream 3A or<br>Bitstream 3A Accelerate Service<br>Template.  | Monthly         | \$26.02  |
| 1.22 Additional Voice port                                   | Additional Standard Monthly rental for<br>additional voice port.  | Monthly         | \$15.61  |
| 1.23 Additional Ethernet port                                | Additional Standard Monthly rental for<br>additional Ethernet port.   | Monthly         | \$10.41  |
| 1.24 WiFi port   | Additional Standard Monthly rental for WiFi<br>port.<br><br>Uses the Ethernet Port provided as part of<br>any primary Bitstream 2, Bitstream 2<br>Accelerate, Bitstream 3, Bitstream 3<br>Accelerate, Bitstream 3A or Bitstream 3A<br>Accelerate Service.<br><br>As a secondary service requires an<br>additional Ethernet Port with applicable<br>additional charge. | Monthly         | \$2.60   |
| 1.25 Multicast ongoing fee<br>(Option A)                     | Outgoing charge per Mbps.<br><br>Applies to Multicast Domain(s) as<br>described in the Multicast Service<br>Description.<br><br>Ethernet Multicast access channel service<br>charge will apply to each user connecting<br>to the Multicast Domain including separate<br>Ethernet port if required.  | Monthly         | \$1.05   |
| 1.26 Multicast ongoing fee<br>(Option B)                     | Outgoing charge per Multicast Domain per<br>Gbps per End User connection based on<br>total for all Service Providers within a<br>Candidate Area<br><br>Ethernet Multicast access channel service<br>is not available with this option.  | Monthly         | \$0.26   |
| 1.27 E-NNI port 1 Gbps<br>Handover connection                | Standard Monthly rental.  | Monthly         | \$104.06 |
| 1.28 E-NNI port 10 Gbps<br>Handover connection               | Standard Monthly rental.  | Monthly         | \$312.18 |

|      | Service component  | Description   | Charge Invoiced | Charge   |
|------|--|---|-----------------|----------|
| 1.29 | Layer Two Enhanced SLA 1   | Additional Standard Monthly rental for enhanced service level provided in association with any Bitstream or Bitstream Accelerate Service Template.  | Monthly         | \$52.03  |
| 1.30 | Layer Two Enhanced SLA 2   | Additional Standard Monthly rental for enhanced service level provided in association with any Bitstream or Bitstream Accelerate Service Template.  | Monthly         | \$104.06 |
| 1.31 | GPON Bitstream 2 or Bitstream 2 Accelerate Educational <sup>5</sup> Services 30 Mbps down / 30 Mbps up with 10 Mbps symmetric High Priority CIR Service Monthly Charge | Educational Services Bitstream 2 or Bitstream 2 Accelerate as per appropriate Service Description.<br><br>Educational only.<br><br>Additional CIR EIR options can be provided using the Product Development Process as per the Bitstream Operations Manual. | Monthly         | \$52.03  |
| 1.32 | GPON Bitstream 2 or Bitstream 2 Accelerate Educational <sup>6</sup> Services 50 Mbps down / 50 Mbps up with 10 Mbps symmetric High Priority CIR Service Monthly Charge | Educational Services Bitstream 2 or Bitstream 2 Accelerate as per appropriate Service Description.<br><br>Educational only.   | Monthly         | \$60.35  |
| 1.33 | GPON Bitstream Educational <sup>6</sup> Services 100 Mbps down / 100 Mbps up with 10 Mbps symmetric High Priority CIR Service Monthly Charge                           | Educational Services Bitstream 3A Template as per Bitstream 3A Service Description.<br><br>Educational only.<br><br>CIR options can be provided. Low Priority EIR is reduced as High Priority CIR is increased.   | Monthly         | \$109.27 |
| 1.34 | P2P Bitstream Educational <sup>7</sup> Services 100 Mbps down / 100 Mbps up with 10 Mbps symmetric High Priority CIR Service Monthly Charge                            | Educational Bitstream 3A Service as described in the Bitstream 3A Service Description.<br><br>Educational only.<br><br>CIR options can be provided. Low Priority EIR is reduced as High Priority CIR is increased.  | Monthly         | \$218.52 |

<sup>5</sup> Prices for Educational services are available only to an approved list of educational organisations provided by the Ministry of Education, see <http://www.educationcounts.govt.nz/directories/list-of-nz-schools>.

| Service component   | Description  | Charge Invoiced | Charge   |
|---|--|-----------------|----------|
| 1.35 P2P Bitstream Educational <sup>6</sup> Services 1 Gbps down / 1 Gbps up with 10 Mbps symmetric High Priority CIR Service Monthly Charge                    | Educational Bitstream 3A Service as described in the Bitstream 3A Service Description.<br>Educational only.<br>CIR options can be provided. Low Priority EIR is reduced as High Priority CIR is increased.               | Monthly         | \$275.76 |
| 1.36 P2P Bitstream Educational <sup>7</sup> Services 100 Mbps down / 100 Mbps up with 10Mbps symmetric High Priority CIR Service Monthly Charge                 | Bitstream 4 Service as described in Bitstream 4 Service Description.<br>Educational only.<br>CIR options can be provided.  | Monthly         | \$218.52 |
| 1.37 P2P Bitstream Educational <sup>7</sup> Services 1 Gbps down / 1 Gbps up with 10 Mbps symmetric High Priority CIR Service Monthly Charge                    | Bitstream 4 Service as described in Bitstream 4 Service Description.<br>Educational only.<br>CIR options can be provided.  | Monthly         | \$275.76 |
| 1.38 GPON Bitstream 30 Mbps down / 10 Mbps up with 10 Mbps CIR down / 2.5 Mbps CIR up with ATA port Service Monthly Charge                                      | Bitstream 2 as per Bitstream 2 Service Description.<br>Residential only.<br>(note orders for this configuration will be fulfilled with GPON Bitstream 30 Mbps down / 10 Mbps up with 10 Mbps CIR down / 2.5 Mbps CIR up) | Monthly         | \$48.13  |
| 1.39 Layer One Enhanced SLA 1   | Additional Standard Monthly rental for enhanced service level provided in association with any Bitstream Service Template.   | Monthly         | \$5.21   |
| 1.40 Layer One Enhanced SLA 2   | Additional Standard Monthly rental for enhanced service level provided in association with any Bitstream Service Template.   | Monthly         | \$10.41  |
| 1.41 Layer One Enhanced SLA 3   | Additional event critical care for enhanced service level provided in association with any Bitstream Service Template.   | Per event       | \$728.41 |
| 1.42 GPON Bitstream 3A Accelerate Educational <sup>[7]</sup> Services 50 Mbps down / 50 Mbps up with 10 Mbps symmetric High Priority CIR Service Monthly Charge | Educational Bitstream 3A Accelerate Service as described in the Bitstream 3A Accelerate Service Description.<br>Educational only.<br>CIR options can be provided.  | Monthly         | \$78.05  |

<sup>6</sup> Prices for Educational services are available only to an approved list of educational organisations provided by the Ministry of Education, see <http://www.educationcounts.govt.nz/directories/list-of-nz-schools>.

|      | <b>Service component</b>  | <b>Description</b>  | <b>Charge Invoiced</b> | <b>Charge</b> |
|------|---|---|------------------------|---------------|
| 1.43 | GPON Bitstream 3A Accelerate Educational <sup>7)</sup> Services 200 Mbps down / 200 Mbps up with 10 Mbps symmetric High Priority CIR Service Monthly Charge | Educational Services Bitstream 3A Accelerate Education 4 Template as per Bitstream 3A Service Description.<br><br>Educational only.<br>CIR options can be provided.   | Monthly                | \$109.27      |
| 1.44 | GPON Bitstream 3A Accelerate Educational <sup>8)</sup> Services 300 Mbps down / 300 Mbps up with 10 Mbps symmetric High Priority CIR Service Monthly Charge | Educational Bitstream 3A Accelerate Service as described in the Bitstream 3A Accelerate Service Description.<br><br>Educational only.<br>CIR options can be provided. | Monthly                | \$109.27      |
| 1.45 | GPON Bitstream 2 Accelerate 100 Mbps down / 20 Mbps up with 2.5 Mbps symmetric High Priority CIR with ATA port Service Monthly Charge                       | Bitstream 2 Accelerate as per Bitstream 2 Accelerate Service Description.<br><br>Residential only.  | Monthly                | \$47.87       |
| 1.46 | GPON Bitstream 2 Accelerate 100 Mbps down / 50 Mbps up with 2.5 Mbps symmetric High Priority CIR with ATA port Service Monthly Charge                       | Bitstream 2 Accelerate as per Bitstream 2 Accelerate Service Description.<br><br>Residential only.  | Monthly                | \$51.93       |
| 1.47 | GPON Bitstream 2 Accelerate 100 Mbps down / 100 Mbps up with 2.5 Mbps symmetric High Priority CIR with ATA port Service Monthly Charge                      | Bitstream 2 Accelerate as per Bitstream 2 Accelerate Service Description.<br><br>Residential only.  | Monthly                | \$52.03       |
| 1.48 | GPON Bitstream 2 Accelerate 200 Mbps down / 20 Mbps up 2.5 Mbps symmetric High Priority CIR with ATA port Service Monthly Charge                            | Bitstream 2 Accelerate as per Bitstream 2 Accelerate Service Description.<br><br>Residential only.  | Monthly                | \$56.00       |
| 1.49 | GPON Bitstream 2 Accelerate 200 Mbps down / 100 Mbps up with 2.5 Mbps symmetric High Priority CIR with ATA port Service Monthly Charge                      | Bitstream 2 Accelerate as per Bitstream 2 Accelerate Service Description.<br><br>Residential only.  | Monthly                | \$56.00       |

<sup>7)</sup> Prices for Educational services are available only to an approved list of educational organisations provided by the Ministry of Education, see <http://www.educationcounts.govt.nz/directories/list-of-nz-schools>.

|      | <b>Service component</b>   | <b>Description</b>   | <b>Charge Invoiced</b> | <b>Charge</b>       |
|------|--|--|------------------------|---------------------|
| 1.50 | GPON Bitstream 2 Accelerate 200 Mbps down / 200 Mbps up with 2.5 Mbps symmetric High Priority CIR with ATA port Service Monthly Charge   | Bitstream 2 Accelerate as per Bitstream 2 Accelerate Service Description.<br>Residential only.   | Monthly                | \$56.00             |
| 1.51 | GPON Bitstream 3A Accelerate 100 Mbps down / 100 Mbps up with 2.5 Mbps symmetric High Priority CIR with ATA port Service Monthly Charge  | Bitstream 3A Accelerate as per Bitstream 3 Accelerate Service Description.<br>Business 50 plan<br>CIR options can be provided.   | Monthly                | \$104.06            |
| 1.52 | GPON Bitstream 3A Accelerate 200 Mbps down / 200 Mbps up option with 2.5 Mbps symmetric High Priority CIR and 100 Mbps symmetric Low Priority with ATA port Service Monthly Charge | Bitstream 3A Accelerate Business 5 Template as per Bitstream 3A Accelerate Service Description.<br>High Priority CIR options can be provided.  | Monthly                | \$182.11            |
| 1.53 | GPON Bitstream 3A Accelerate 300 Mbps down / 300 Mbps up option with 2.5 Mbps symmetric High Priority CIR and 200 Mbps symmetric Low Priority with ATA port Service Monthly Charge | Bitstream 3A Accelerate Business 5 Template as per Bitstream 3A Accelerate Service Description.<br>CIR options can be provided.  | Monthly                | \$182.11            |
| 1.54 | GPON Bitstream 3A Accelerate Max Mbps down / Max Mbps up with 2.5 Mbps symmetric High Priority CIR and 1,000 Mbps symmetric Low Priority with ATA port Service Monthly Charge      | Bitstream 3A Accelerate Business Max Template as per Bitstream 3A Accelerate Service Description.<br>High Priority CIR options can be provided.  | Monthly                | \$218.52            |
| 1.55 | GPON Bitstream 2 Accelerate 128 kbps symmetric High Priority CIR Service Monthly Charge  | Voice only service.<br>Cannot be provided with a Bitstream 2, Bitstream 3 or Bitstream 3A or Bitstream 2 Accelerate, Bitstream 3 Accelerate or Bitstream 3A Accelerate Service Template. | Monthly                | \$26.02             |
| 1.56 | GPON Bitstream 2 Accelerate Gigatown Residential Max Mbps down / 500 Mbps up with 2.5 Mbps symmetric High Priority CIR with ATA port Service Monthly Charge                        | Bitstream 2 Accelerate Gigatown Template as per Gigatown Bitstream 2 Accelerate Service Description.<br>Was only available in Gigatown for residential.                                  | Monthly                | No longer available |

|      | Service component   | Description  | Charge Invoiced | Charge              |
|------|---|--|-----------------|---------------------|
| 1.57 | GPON Bitstream 2 Accelerate Gigatown Business Max Mbps down / 500 Mbps up with 2.5 Mbps symmetric High Priority CIR with ATA port Service Monthly Charge  | Bitstream 2 Accelerate Gigatown Template as per Gigatown Bitstream 2 Accelerate Service Description.<br><br>Was only available in Gigatown for business.                         | Monthly         | No longer available |
| 1.58 | GPON Bitstream 2 Accelerate Gigatown Educational <sup>8</sup> Services Max Mbps down / 500 Mbps up with 10 Mbps symmetric High Priority CIR Service Monthly Charge with ATA port Service Monthly Charge | Educational Services Bitstream 2 Accelerate Gigatown Template as per Gigatown Bitstream 2 Accelerate Service Description.<br><br>Was only available in Gigatown for educational. | Monthly         | No longer available |
| 1.59 | GPON Bitstream 2 Accelerate Consumer Max Mbps down / 500 Mbps up with 2.5 Mbps symmetric High Priority CIR with ATA port Service Monthly Charge   | Bitstream 2 Accelerate Consumer Template as per Bitstream 2 Accelerate Service Description.<br><br>Residential only.   | Monthly         | \$56.00             |
| 1.60 | GPON Bitstream 2 Accelerate SME Max Mbps down / 500 Mbps up with 2.5 Mbps symmetric High Priority CIR with ATA port Service Monthly Charge  | Bitstream 2 Accelerate SME Template as per Bitstream 2 Accelerate Service Description.<br><br>Business only.   | Monthly         | \$66.00             |
| 1.61 | GPON Bitstream 3A Accelerate Education <sup>9</sup> Max Services Max Mbps down / Max Mbps up with 2.5 Mbps symmetric High Priority CIR Service Monthly Charge with ATA port Service Monthly Charge      | Education Max Service Bitstream 3A Accelerate Template as per Bitstream 3A Accelerate Service Description.<br><br>Education only.  | Monthly         | \$120.00            |
| 1.62 | GPON Small Business Fibre 100 Mbps down / 100 Mbps up with 2.5 Mbps symmetrical CIR with ATA port Service Monthly Charge  | Small Business Fibre as per Small Business Fibre Service Description.<br><br>Business only.  | Monthly         | \$52.00             |
| 1.63 | GPON Small Business Fibre Max Mbps down / 500 Mbps up with 2.5 Mbps symmetric High Priority CIR with ATA port Service Monthly Charge  | Small Business Fibre as per Small Business Fibre Service Description.<br><br>Business only.  | Monthly         | \$65.00             |

<sup>8</sup> Prices for Educational services are available only to an approved list of educational organisations provided by the Ministry of Education, see <http://www.educationcounts.govt.nz/directories/list-of-nz-schools>.

|      | <b>Service component</b>   | <b>Description</b>   | <b>Charge Invoiced</b> | <b>Charge</b> |
|------|--|--|------------------------|---------------|
| 1.64 | P2P Bitstream 100 Mbps down / 100 Mbps up with 0 CIR Service Monthly Charge                  | Enhanced Bitstream 4 Service as described in Enhanced Bitstream 4 Service Description.<br>CIR options can be provided. | Monthly                | \$395.42      |
| 1.65 | P2P Bitstream 1 Gbps down / 1 Gbps up with 0 CIR Service Monthly Charge                      | Enhanced Bitstream 4 Service as described in Enhanced Bitstream 4 Service Description.<br>CIR options can be provided. | Monthly                | \$411.04      |
| 1.66 | Hyperfibre Consumer 1000 Mbps down / 1000 Mbps up with ATA port Service Monthly Charge       | Hyperfibre Consumer 1000 as per Hyperfibre Service Description.<br>Residential only                                    | Monthly                | \$65.00       |
| 1.67 | Hyperfibre Consumer 2000 Mbps down / 2000 Mbps up with ATA port Service Monthly Charge       | Hyperfibre Consumer 2000 as per Hyperfibre Service Description.<br>Residential only.                                   | Monthly                | \$75.00       |
| 1.68 | Hyperfibre Consumer 4000 Mbps down / 4000 Mbps up with ATA port Service Monthly Charge       | Hyperfibre Consumer 4000 as per Hyperfibre Service Description.<br>Residential only                                    | Monthly                | \$100.00      |
| 1.69 | Hyperfibre Consumer 8000 Mbps down / 8000 Mbps up with ATA port Service Monthly Charge       | Hyperfibre Consumer 8000 as per Hyperfibre Service Description.<br>Residential only.                                   | Monthly                | \$150.00      |
| 1.70 | Hyperfibre Small Business 1000 Mbps down / 1000 Mbps up with ATA port Service Monthly Charge | Hyperfibre Small Business 1000 as per Hyperfibre Service Description.  | Monthly                | \$70.00       |
| 1.71 | Hyperfibre Small Business 2000 Mbps down / 2000 Mbps up with ATA port Service Monthly Charge | Hyperfibre Small Business 2000 as per Hyperfibre Service Description.  | Monthly                | \$80.00       |
| 1.72 | Hyperfibre Small Business 4000 Mbps down / 4000 Mbps up with ATA port Service Monthly Charge | Hyperfibre Small Business 4000 as per Hyperfibre Service Description   | Monthly                | \$105.00      |
| 1.73 | Hyperfibre Small Business 8000 Mbps down / 8000 Mbps up with ATA port Service Monthly Charge | Hyperfibre Small Business 8000 as per Hyperfibre Service Description.  | Monthly                | \$155.00      |
| 1.74 | Hyperfibre Business 2000 Mbps down / 2000 Mbps up with ATA port Service Monthly Charge       | Hyperfibre Business 2000 as per Hyperfibre Service Description.  | Monthly                | \$225.00      |
| 1.75 | Hyperfibre Business 4000 Mbps down / 4000 Mbps up with ATA port Service Monthly Charge       | Hyperfibre Business 4000 as per Hyperfibre Service Description.  | Monthly                | \$250.00      |



|      | Service component   | Description  | Charge Invoiced | Charge     |
|------|---|--|-----------------|------------|
| 1.76 | Hyperfibre Business<br>8000 Mbps down / 8000 Mbps up with ATA port<br>Service Monthly Charge  | Hyperfibre Business 8000 as per Hyperfibre Service Description.  | Monthly         | \$275.00   |
| 1.77 | Hyperfibre Education<br>2000 Mbps down / 2000 Mbps up with ATA port<br>Service Monthly Charge   | Hyperfibre Small Business 2000 as per Hyperfibre Service Description.<br>Education only <sup>9</sup> .                           | Monthly         | \$135.00   |
| 1.78 | Hyperfibre Education<br>4000 Mbps down / 4000 Mbps up with ATA port<br>Service Monthly Charge   | Hyperfibre Small Business 4000 as per Hyperfibre Service Description.<br>Education only <sup>10</sup> .                          | Monthly         | \$150.00   |
| 1.79 | Hyperfibre Education<br>8000 Mbps down / 8000 Mbps up with ATA port<br>Service Monthly Charge   | Hyperfibre Small Business 8000 as per Hyperfibre Service Description.<br>Education only <sup>10</sup> .                          | Monthly         | \$165.00   |
| 1.80 | P2P Bitstream 1 Gbps down / 1 Gbps up with 1 Gbps symmetric CIR<br>Service Monthly Charge   | Mobile Access Service as per Mobile Access Service Service Description.  | Monthly         | \$1,488.88 |
| 1.81 | GPON Bitstream 2 Accelerate 200 Mbps down / 20 Mbps up 2.5 Mbps symmetric High Priority CIR with ATA port<br>Service Monthly Charge       | Bitstream 2 Accelerate as per Bitstream 2 Accelerate Service Description.<br>Business only.                                      | Monthly         | \$57.24    |
| 1.82 | GPON Bitstream 2 Accelerate 200 Mbps down / 100 Mbps up with 2.5 Mbps symmetric High Priority CIR with ATA port<br>Service Monthly Charge | Bitstream 2 Accelerate as per Bitstream 2 Accelerate Service Description.<br>Business only.                                      | Monthly         | \$62.44    |
| 1.83 | GPON Bitstream 2 Accelerate 200 Mbps down / 200 Mbps up with 2.5 Mbps symmetric High Priority CIR with ATA port<br>Service Monthly Charge | Bitstream 2 Accelerate as per Bitstream 2 Accelerate Service Description.<br>Business only.                                      | Monthly         | \$66.00    |
| 1.84 | P2P Bitstream 4 extended access<br>Monthly Charge   | Additional monthly charge for Bitstream 4 Service connections that are more than 40 kilometres from the servicing Ethernet node. | Monthly         | \$1,425.00 |

<sup>9</sup> Prices for Educational services are available only to an approved list of educational organisations provided by the Ministry of Education, see <http://www.educationcounts.govt.nz/directories/list-of-nz-schools>.

|       | Service component  | Description   | Charge Invoiced | Charge     |
|-------|--|---|-----------------|------------|
| 1.85  | Broadband Anchor Service GPON 100 Mbps down / 20 Mbps up with 2.5 Mbps symmetric High Priority CIR with ATA port Service Monthly Charge  | Broadband Anchor Service as per Bitstream 2 Accelerate Service Description.<br><br>Residential only.  | Monthly         | \$47.87    |
| 1.86  | E-NNI port 100 Gbps Handover connection  | Standard Monthly rental.  | Monthly         | \$1,827.38 |
| 1.87  | Diverse 10 Gbps E-NNI port Handover connection in 1x1 Active & Standby configuration   | Standard Monthly rental.  | Monthly         | \$624.36   |
| 1.88  | Diverse 10 Gbps E-NNI port Handover connection in 2x2 Active & Standby configuration   | Standard Monthly rental.  | Monthly         | \$1,248.72 |
| 1.89  | Diverse 10 Gbps E-NNI port Handover connection in 3x3 Active & Standby configuration   | Standard Monthly rental.  | Monthly         | \$1,873.08 |
| 1.90  | Diverse 10 Gbps E-NNI port Handover connection in 4x4 Active & Standby configuration   | Standard Monthly rental.  | Monthly         | \$2,497.44 |
| 1.91  | Diverse 100 Gbps E-NNI port Handover connection in 1x1 Active & Standby configuration  | Standard Monthly rental.  | Monthly         | \$3,807.03 |
| 1.92  | Diverse 100 Gbps E-NNI port Handover connection in 2x2 Active & Standby configuration  | Standard Monthly rental.  | Monthly         | \$7,614.07 |
| 1.93  | Home Fibre Starter Service GPON 50 Mbps down / 10 Mbps up with 2.5 Mbps symmetric High Priority CIR with ATA port Service Monthly Charge | Home Fibre Starter as per Home Fibre Starter Service Description.<br><br>Residential only.  | Monthly         | \$44.22    |
| 1.100 | GPON Bitstream 2 Accelerate Secondary 50 Mbps down / 20 Mbps up Service Monthly Charge   | Bitstream 2 Accelerate Secondary Template as per Bitstream 2 Accelerate Service Description.<br><br>Only available on an ONT that already has a primary template. | Monthly         | \$23.05    |
| 1.101 | GPON Bitstream 2 Accelerate Secondary 100 Mbps down / 20 Mbps up Service Monthly Charge  | Bitstream 2 Accelerate Secondary Template as per Bitstream 2 Accelerate Service Description.<br><br>Only available on an ONT that already has a primary template. | Monthly         | \$30.07    |

| Service component   | Description   | Charge Invoiced | Charge  |
|---|---|-----------------|---------|
| 1.102 GPON Bitstream 2 Accelerate Secondary 100 Mbps down / 50 Mbps up with 2.5 Mbps symmetric High Priority CIR Service Monthly Charge | Bitstream 2 Accelerate Secondary Template as per Bitstream 2 Accelerate Service Description.<br><br>Only available on an ONT that already has a primary template. | Monthly         | \$42.41 |
| 1.103 GPON Bitstream 2 Accelerate Secondary 200 Mbps down / 20 Mbps up Service Monthly Charge   | Bitstream 2 Accelerate Secondary Template as per Bitstream 2 Accelerate Service Description.<br><br>Only available on an ONT that already has a primary template. | Monthly         | \$44.12 |
| 1.104 Secondary Voice Services Monthly Charge   | Voice only service.<br><br>Only available on an ONT that already has a primary template.  | Monthly         | \$15.61 |

## 2 Direct Fibre Access Service

| Service component                              | Description  | Charge Invoiced | Charge   |
|--|--|-----------------|----------|
| 2.1 Direct Fibre Access Service Monthly Charge | Direct Fibre Access Service Standard Monthly rental.   | Monthly         | \$369.41 |
| 2.2 Layer One Enhanced SLA 1                   | Additional Standard Monthly rental for enhanced service level provided in association with item 2.1. | Monthly         | \$5.21   |
| 2.3 Layer One Enhanced SLA 2                   | Additional Standard Monthly rental for enhanced service level provided in association with item 2.1. | Monthly         | \$10.41  |
| 2.4 Layer One Enhanced SLA 3                   | Additional event critical care for enhanced service level provided in association with item 2.1.     | Per event       | \$728.41 |

### 3 Co-location Service

| Service component   | Description  | Charge Invoiced | Charge              |
|---|--|-----------------|---------------------|
| 3.1 Central Office and POI Co-location Service Footprint Monthly Charge | Central Office and POI Co-location Service 400 x 600 Footprint Standard Monthly rental<br><br>Central Office classification in Operations Manual | Monthly         | Steel \$223.73      |
|   |  |                 | Bronze \$332.99     |
|   |  |                 | Silver \$530.70     |
|   |  |                 | Gold \$1,664.94     |
|   |  |                 | Platinum \$1,977.12 |
| 3.2 Central Office and POI Co-location Service Power Monthly Charge     | Central Office and POI Co-location Service Power Monthly rental<br><br>Central Office classification in Operations Manual                        | Monthly         | Table below         |

| DC Circuit Breaker |          | AC Circuit Breaker  |          |                     |          |
|--------------------|----------|---------------------|----------|---------------------|----------|
| DC Fuse Size AMP   | Price    | Not UPS Supported   |          | UPS Supported       |          |
|                    |          | AC Breaker Size AMP | Price    | AC Breaker Size AMP | Price    |
| 6                  | \$41.62  | 1                   | \$27.06  | 1                   | \$31.22  |
| 10                 | \$67.64  | 2                   | \$57.24  | 2                   | \$62.44  |
| 16                 | \$109.27 | 3                   | \$83.25  | 3                   | \$88.46  |
| 20                 | \$140.48 | 4                   | \$109.27 | 4                   | \$114.46 |
| 25                 | \$171.70 | 5                   | \$135.28 | 5                   | \$145.68 |
| 32                 | \$218.52 | 6                   | \$166.49 | 6                   | \$176.90 |
| 40                 | \$275.76 | 7                   | \$192.51 | 7                   | \$202.92 |
| 48                 | \$327.79 | 8                   | \$218.52 | 8                   | \$234.14 |
| 50                 | \$343.39 | 9                   | \$244.54 | 9                   | \$260.15 |
| 63                 | \$431.85 | 10                  | \$270.55 | 10                  | \$291.37 |

### 4 Jumpering Service

| Service component         | Description  | Charge invoiced | Charge  |
|---------------------------|--|-----------------|---------|
| 4.1 The Jumpering Service | Where the Service Provider requests connection of an Access Service to either another Access Service or a Backhaul Service at a site where they have no Co-location footprint. | Monthly         | \$26.02 |

**TABLE B – Services Subject to Price Review<sup>10</sup>****5 Chorus Data Centre Connect and Bandwidth Fibre Access Service**

|      | Service component  | Description   | Charge Invoiced | Charge     |
|------|--|---|-----------------|------------|
| 5.1  | Bandwidth Fibre Access Service 100 Mbps Monthly Charge           | Bandwidth Fibre Access Service 100 Mbps Standard Monthly rental.  | Monthly         | \$395.42   |
| 5.2  | Bandwidth Fibre Access Service 1 Gbps Monthly Charge             | Bandwidth Fibre Access Service 1 Gbps Standard Monthly rental.  | Monthly         | \$473.47   |
| 5.3  | Bandwidth Fibre Access Service 10 Gbps Monthly Charge            | Bandwidth Fibre Access Service 10 Gbps Standard Monthly rental.   | Monthly         | \$1,410.00 |
| 5.4  | Layer One Enhanced SLA 1   | Additional Standard Monthly rental for enhanced service level provided in association with any Bandwidth Fibre Access Service.  | Monthly         | \$5.21     |
| 5.5  | Layer One Enhanced SLA 2   | Additional Standard Monthly rental for enhanced service level provided in association with any Bandwidth Fibre Access Service.  | Monthly         | \$10.41    |
| 5.6  | Layer One Enhanced SLA 3   | Additional Standard Monthly rental for enhanced service level provided in association with any Bandwidth Fibre Access Service.  | Per event       | \$728.41   |
| 5.7  | Chorus Data Centre Connect Service 10 Gbps Step A Monthly Charge | Chorus Data Centre Connect Service 10 Gbps Step A Standard Monthly rental.<br><br>Applicable to: Datacom Orbit to Forrest Hill and Massey; Datacom Kapuna to Claudelands and Frankton Junction. | Monthly         | \$552.32   |
| 5.8  | Chorus Data Centre Connect Service 10 Gbps Step B Monthly Charge | Chorus Data Centre Connect Service 10 Gbps Step B Standard Monthly rental.<br><br>Applicable to: Data Centre 220 to Mayoral Drive.  | Monthly         | \$583.47   |
| 5.9  | Chorus Data Centre Connect Service 10 Gbps Step C Monthly Charge | Chorus Data Centre Connect Service 10 Gbps Step C Standard Monthly rental.<br><br>Applicable to: AT&T Tower to Courtney Place.  | Monthly         | \$698.78   |
| 5.10 | Chorus Data Centre Connect Service 10 Gbps Step D Monthly Charge | Chorus Data Centre Connect Service 10 Gbps Step D Standard Monthly rental.<br><br>Applicable to: AT&T Tower to Porirua; DTS to Porirua.   | Monthly         | \$820.50   |

<sup>10</sup> Changes for these charges are governed by clause 24.4 of the General Terms.

| Service component  | Description  | Charge Invoiced | Charge     |
|--|--|-----------------|------------|
| 5.11 Chorus Data Centre Connect Service 10 Gbps Step E Monthly Charge  | Chorus Data Centre Connect Service 10 Gbps Step E Standard Monthly rental.<br>Applicable to: DTS to Courtney Place.  | Monthly         | \$942.22   |
| 5.12 Chorus Data Centre Connect Service 100 Gbps Step A Monthly Charge | Chorus Data Centre Connect Service 100 Gbps Step A Standard Monthly rental.<br>Applicable to: Datacom Orbit to Forrest Hill and Massey; Datacom Kapuna to Claudelands and Frankton Junction. | Monthly         | \$2,178.57 |
| 5.13 Chorus Data Centre Connect Service 100 Gbps Step B Monthly Charge | Chorus Data Centre Connect Service 100 Gbps Step B Standard Monthly rental.<br>Applicable to: Data Centre 220 to Mayoral Drive.  | Monthly         | \$2,209.72 |

## 6 Intra Candidate Area Backhaul Service

| Service component   | Description  | Charge Invoiced | Charge  |
|---|--|-----------------|---|
| 6.1 Intra Candidate Area Backhaul Service Monthly Charge          | Intra Candidate Area Backhaul Service Standard Monthly rental (steps detailed in Appendix 4).  | Monthly         | Step A \$468.27<br>Step B \$962.55<br>Step C \$1,456.83 |
| 6.2 Layer One Enhanced SLA 1                                      | Additional Standard Monthly rental for enhanced service level provided in association with any Intra Candidate Area Backhaul Service.            | Monthly         | \$5.21  |
| 6.3 Layer One Enhanced SLA 2                                      | Additional Standard Monthly rental for enhanced service level provided in association with any Intra Candidate Area Backhaul Service.            | Monthly         | \$10.41   |
| 6.4 Layer One Enhanced SLA 3                                      | Additional event critical care for enhanced service level provided in association with any Intra Candidate Area Backhaul Service.                | Per event       | \$728.41  |
| 6.5 Intra Candidate Area Backhaul Service 100 Mbps Monthly Charge | Intra Candidate Area Backhaul Service 100 Mbps additional Standard Monthly rental for managed throughput Central Office to Central Office links. | Monthly         | \$26.02   |
| 6.6 Intra Candidate Area Backhaul Service 1 Gbps Monthly Charge   | Intra Candidate Area Backhaul Service 1 Gbps additional Standard Monthly rental for managed throughput Central Office to Central Office links.   | Monthly         | \$104.06  |
| 6.7 Intra Candidate Area Backhaul Service 10 Gbps Monthly Charge  | Intra Candidate Area Backhaul Service 10 Gbps additional Standard Monthly rental for managed throughput Central Office to Central Office links.  | Monthly         | \$1,040.59  |

|     | Service component   | Description   | Charge Invoiced | Charge   |
|-----|---|---|-----------------|--|
| 6.8 | Intra Candidate Area Backhaul Service 10Gbps DWDM Monthly Charge  | Intra Candidate Area Backhaul Service Standard Monthly rental (steps detailed in Appendix 4). | Monthly         | Step A \$355.32<br>Step B \$761.41<br>Step C \$1,116.73                          |
| 6.9 | Intra Candidate Area Backhaul Service 10Gbps Metro Monthly Charge | Intra Candidate Area Backhaul Service Standard Monthly rental (steps detailed in Appendix 4). | Monthly         | 36-month term \$4,568.44<br>45-month term \$4,111.60<br>60-month term \$3,883.17 |

## 7 Chorus Regional Transport Service

|     | Service component   | Description  | Charge Invoiced | Charge |
|-----|---|--|-----------------|--------|
| 7.1 | Regional Transport Backhaul Service "dark fibre" Monthly Charge | Regional Transport Service "dark fibre" Standard Monthly rental.   | Monthly         | POA    |
| 7.2 | Regional Transport Service 1 Gbps Monthly Charge                | Regional Transport Service 1 Gbps additional Standard Monthly rental for managed throughput Central Office to Central Office links.  | Monthly         | POA    |
| 7.3 | Regional Transport Service 10 Gbps Monthly Charge               | Regional Transport Service 10 Gbps additional Standard Monthly rental for managed throughput Central Office to Central Office links. | Monthly         | POA    |

## 8 Voluntary Direct Fibre Access Service

|     | Service component                                    | Description   | Charge Invoiced | Charge   |
|-----|--|---|-----------------|----------|
| 8.1 | Voluntary Direct Fibre Access Service Monthly Charge | Voluntary Direct Fibre Access Service Standard Monthly rental.  | Monthly         | \$260.15 |
| 8.2 | Layer One Enhanced SLA 1                             | Additional Standard Monthly rental for enhanced service level provided in association with any Voluntary Direct Fibre Access Service. | Monthly         | \$5.21   |
| 8.3 | Layer One Enhanced SLA 2                             | Additional Standard Monthly rental for enhanced service level provided in association with any Voluntary Direct Fibre Access Service. | Monthly         | \$10.41  |
| 8.4 | Layer One Enhanced SLA 3                             | Additional event critical care for enhanced service level provided in association with any Voluntary Direct Fibre Access Service..    | Per event       | \$728.41 |

## APPENDIX 3 – ANCILLARY CHARGES

### 1 Table A – UFB Ancillary Charges<sup>11</sup>

| Service component | Description   | Charge invoiced  | Charge   |   |
|-------------------|---|--|--|---|
| 1.1               | (a) Plan change with no site visit required                   | Change to configuration of an existing instance of the Wholesale service.  | Following notification by the LFC of completion of Service Order | Plan change without site visit<br>Bitstream2 /3 \$2.06<br>Bitstream 4 \$16.50.  |
|                   | (b) New connection with no site visit required                | Establishment of a new service over existing fibre.  | Following notification by the LFC of completion of Service Order | New connection without site visit a charge of \$24.58 capped at the Transactional Charge that would be payable to establish the service instance if an installation was required  |
| 1.2               | Wholesale New Connection – Non Standard Install.              | Additional charge for work required in excess of Standard Install to establish a new service instance of the Wholesale Service at a Premises (i.e. there is no Transfer) where a Non Standard Install is required.   | Following notification by the LFC of completion of Service Order | Time and materials<br>Based on an hourly rate of \$88.46 per hour plus material cost  |
| 1.3               | MDU Non Standard Install.                                     | MDU installation will require provision of backbone cabling in an MDU either vertical riser cabling or campus reticulation may also include cabling from FAP to OFDF, OFDF, splitters and cabling from backbone to individual tenancies as agreed with Service Provider and Building Owner or their agents. This item recovers from Building Owner, their agents or other party accepting costs e.g. developer the 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 | Time & materials<br>Based on an hourly rate of \$110.30 per hour for design and an hourly rate of \$93.65 per hour for installation plus material cost less an amount equal to \$1,000 times the number of individual tenancies served by the backbone cabling. |
| 1.4               | Provision of Business 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 may 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 | Additional charge equivalent to 2 months recurring fee for the Wholesale Service  |
| 1.5               | Provision of Business Service Route and entry point Diversity | Provision of diversity in an area where End User is a Priority User 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 | Additional charge equivalent to 2 months recurring fee for the Wholesale Service  |

<sup>11</sup> Changes for these charges are governed by clause 24.5 of the General Terms..



| Service component | Description   | Charge invoiced  | Charge   |   |
|-------------------|---|--|--|---|
| 1.6               | Provision of Business Service Route, Entry Point and Central Office Diversity | Provision of diversity in an area where End User is a Priority User (as defined in 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 Second Central Office.  | Following notification by the LFC of completion of Service Order | Additional charge equivalent to 3 months recurring fee for the Wholesale Service  |
| 1.7               | No fault found  | Fixed charge for fault call that is closed "no LFC fault found".   | Following completion of fault investigation                      | \$109.08  |
| 1.8               | Inability to complete request.  | Fixed charge for work that cannot be completed either because: <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> for a reason not caused by the LFC. This charge will not apply where access was prevented by a Force Majeure event. | Following site visit or cancellation                             | \$176.90<br>Based on two hours of service company installer at \$88.46 per hour   |
| 1.9               | Service Provider On Boarding Process: Testing, training and consultation.     | As part of the On Boarding Process, 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<br>Interoperability testing \$156.09 per hour<br>Training \$103.74 per hour<br>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. |
| 1.10              | 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<br>Training \$103.74 per hour<br>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.   |
| 1.11              | 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<br>Interoperability testing and consultation \$156.09 per hour plus materials  |

| Service component | Description                                | Charge invoiced   | Charge   |   |
|-------------------|--|---|--|---|
| 1.12              | 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<br>Based on an hourly rate of \$88.46 per hour plus material cost  |
| 1.13              | 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<br>Materials cost plus time based on an hourly rates of<br>Office resource \$103.74<br>Field technician \$88.46<br>Central Office technician \$93.65 |
| 1.14              | 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<br>Materials cost plus time based on an hourly rates of<br>Office resource \$103.74<br>Field technician \$88.46<br>Central Office technician \$93.65 |
| 1.15              | 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 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<br>Based on an hourly rate of \$88.46 per hour plus materials at cost  |
| 1.16              | Bitstream Transfer layer two change        | The transfer of the Bitstream Service connected to an End User 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 | \$24.58   |
| 1.17              | Bitstream Relinquishment                   | Where the Service Provider terminates supply of the Bitstream Service in respect of a particular End User. This entails LFC updating its records and billing. LFC may either physically disconnect the Bitstream at any point between the exchange and the End User Premises or leave the Bitstream 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  |

| Service component | Description                                | Charge invoiced   | Charge   |   |
|-------------------|--|---|--|---|
| 1.18              | 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<br>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. |
| 1.19              | NBAP New Connection                        | The establishment of a new 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<br>Based on an hourly rate of \$88.46 per hour plus material cost  |
| 1.20              | 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 Premises from one Service Provider to another.   | Following notification by the LFC of completion of Service Order | Time and materials<br>Based on an hourly rate of \$88.46 per hour plus material cost  |
| 1.21              | 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 Premises or leave the Direct Fibre Access 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  |
| 1.22              | Co-location Space Construction             | Set up of a new instance of, or change to, Central Office and POI Co-location Service.<br><br>The set up of a new co-location site for Service Provider will vary for each exchange and will include the following components:<br><br><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<br>Based on an hourly rate of \$110.30 per hour for design and an hourly rate of \$93.65 per hour for installation plus material cost.   |

| Service component | Description   | Charge invoiced   | Charge   |
|-------------------|---|---|--|
| 1.23              | 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<br><br>Set up charge plus time and materials<br><br>Based on a set up charge of \$191.47 plus an hourly rate of \$93.65 per hour plus material cost                 |
| 1.24              | 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<br><br>\$260.15/participant<br><br>This fixed fee is calculated based on a 2-hour course duration with a skilled trainer (cost \$103.74 per hour) plus course materials. |
| 1.25              | 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<br><br>Time<br>Based on an hourly rate of \$64.52 per hour  |
| 1.26              | Fixing fault where Service Provider 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<br><br>Set up charge plus time and materials<br><br>Based on a set up charge of \$191.47 plus an hourly rate of \$93.65 per hour plus material cost   |
| 1.27              | 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<br><br>Early Termination Charge (if any) in accordance with section 4 in the Price List   |
| 1.28              | 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).<br><br>If device is relocated independently of a new installation, then an additional truck roll charge will apply as set out in Appendix 1 Table A item 1.16   | Following notification by the LFC of completion of Service Order<br><br>\$379.82 for Business Connection<br><br>\$150.89 for a Residential Connection  |
| 1.29              | 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.<br><br>If device is changed independently of a new installation, then an additional truck roll charge will apply as set out in Appendix 1 Table A item 1.16 | Following notification by LFC of completion of Service Order<br><br>\$104.06   |
| 1.30              | Jumpering Service New Connection with Access Fibre or Bandwidth Service | The establishment of a new service instance of the Jumpering Service as a standalone install. The service is established from the provision of a Standard Install as described in the Jumpering Service Description.  | Following notification by the LFC of completion of Service Order<br><br>Time<br>Based on an hourly rate of \$64.52 per hour  |

| Service component | Description             | Charge invoiced  | Charge   |          |
|-------------------|-------------------------|--|--|----------|
| 1.31              | Bitstream 4 complex MAC | Change to configuration of an existing instance of the Wholesale service involving a truck roll. | Following notification by the LFC of completion of Service Order | \$379.82 |

## 2 Table B – Commercial Miscellaneous Ancillary Service Charges<sup>12</sup>

| Service component | Description  | Charge invoiced  | Charge   |   |
|-------------------|--|--|--|---|
| 2.1               | 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<br>Based on an hourly rate of \$110.30 per hour for design and an hourly rate of \$88.46 per hour for installation plus material cost. |
| 2.2               | 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 | \$103.74 per hour   |
| 2.3               | Installation of Simple or Plug & Play CPE with Wholesale Service | The additional charge to install a Simple or Plug & Play CPE at the same time as the installation of a service instance of the Wholesale Service at a Premises required to provide a new or changed service e.g. RGW or UPS<br><br>Installation at a later date will include addition truck roll charge as set out in Appendix 1 Table A item 1.16 | Following notification by the LFC of completion of Service Order | \$93.65   |
| 2.4               | Not used   |  |  |   |
| 2.5               | Installation of Complex CPE with Wholesale Service               | The additional charge to install a Complex Service Provider CPE at the same time as the installation of a service instance of the Wholesale Service at Premises required to provide a new or changed service e.g. Router.<br><br>Installation at a later date will include addition truck roll charge as set out in Appendix 1 Table A item 1.16   | Following notification by the LFC of completion of Service Order | \$145.68  |
| 2.6               | Not used   |  |  |   |
| 2.7               | Additions to the accredited CPE List                             | Charge for field force testing, training and implementation of new Service Provider CPE  | Following change mechanism process to add CPE                    | \$1,560.88 per item   |
| 2.8               | Premise Wiring with Wholesale Service                            | The charge to install additional premises wiring beyond UFB demarcation point at the same time as the installation of a service instance of the Wholesale Service at a Premises.<br><br>Installation at a later date will include addition truck roll charge as set out in Appendix 1 Table A item 1.16  | Following notification by the LFC of completion of Service Order | Time and Materials<br>Based on an hourly rate of \$93.65 per hour plus material cost  |
| 2.9               | Not used   |  |  |   |

<sup>12</sup> Changes for these charges are governed by clause 24.5 of the General Terms..

| Service component  | Description  | Charge invoiced  | Charge  |
|--|--|--|---|
| 2.10 Non-specified 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 | POA   |
| 2.11 Installation of additional RJ45 jack point and associated Premise Wiring with Wholesale Service       | The charge to install RJ45 jack point and additional premises wiring beyond UFB demarcation point at the same time as the installation of a service instance of the Wholesale Service at a Premises.   | Following notification by the LFC of completion of Service Order | \$119.67<br>Per outlet  |
| 2.12 Bandwidth Fibre Access New Connection to a Premises in Voluntary Zone excluding Blue Zone             | The establishment of a new service instance of the Bandwidth Fibre Access Service to a non-Passed Premises (i.e. there is no Bandwidth Fibre Access Transfer). The service is established from the provision of a Standard Install as described in the Bandwidth Fibre Access Service Description.   | Following notification by the LFC of completion of Service Order | Time and materials<br>Based on an hourly rate of \$88.46 per hour plus material cost  |
| 2.13 Voluntary Direct Fibre Access New Connection – Voluntary Zones excluding Blue Zone and the Green Zone | The establishment of a new service instance of the Voluntary Direct Fibre Access Service (i.e. there is no Voluntary Direct Fibre Access Transfer) in the Voluntary Zones (excluding the Blue Zone and the Green Zone). 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 | Time and materials<br>Based on an hourly rate of \$88.46 per hour plus material costs |

## APPENDIX 4 – INTRA CANDIDATE AREA SERVICE CHARGE STEPS

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ASHBURTON

· ASHBURTON

ASHBURTON





**BLenheim**

· BLENHEIM

BLenheim

**CHRISTCHURCH**

|                            | AVONHEAD | BECKENHAM | BELFAST | BURWOOD | CANTERBURY TECHNOLOGY PARK | CHRISTCHURCH | DIAMOND HARBOUR | FENDALTON | GOVERNORS BAY | HALSWELL | HAREWOOD | HILLMORTON | ISLINGTON | KAIAPOI | LINWOOD | LYTTELTON | MEMORIAL AVE | MIDDLETON | MT PLEASANT | NEW BRIGHTON | PAPANUI | RICCARTON | SHIRLEY | ST ALBANS | SUMNER |
|----------------------------|----------|-----------|---------|---------|----------------------------|--------------|-----------------|-----------|---------------|----------|----------|------------|-----------|---------|---------|-----------|--------------|-----------|-------------|--------------|---------|-----------|---------|-----------|--------|
| AVONHEAD                   | -        | A         | B       | B       | A                          | A            | B               | A         | B             | A        | A        | A          | A         | B       | A       | B         | A            | A         | B           | B            | A       | A         | A       | A         | B      |
| BECKENHAM                  | A        | -         | B       | A       | A                          | A            | B               | A         | A             | A        | A        | A          | A         | B       | A       | A         | A            | A         | A           | A            | A       | A         | A       | A         | A      |
| BELFAST                    | B        | B         | -       | A       | A                          | A            | C               | A         | B             | B        | A        | B          | B         | A       | B       | B         | A            | B         | B           | B            | A       | B         | A       | A         | B      |
| BURWOOD                    | B        | A         | A       | -       | B                          | A            | B               | A         | B             | B        | A        | B          | B         | B       | A       | B         | A            | B         | A           | A            | A       | A         | A       | A         | B      |
| CANTERBURY TECHNOLOGY PARK | A        | A         | A       | B       | -                          | A            | C               | A         | B             | A        | A        | A          | A         | B       | A       | B         | A            | A         | B           | B            | A       | A         | A       | A         | B      |
| CHRISTCHURCH               | A        | A         | A       | A       | A                          | -            | B               | A         | B             | A        | A        | A          | A         | B       | A       | B         | A            | A         | A           | A            | A       | A         | A       | A         | B      |
| DIAMOND HARBOUR            | B        | B         | C       | B       | C                          | B            | -               | B         | A             | B        | C        | B          | B         | C       | B       | A         | B            | B         | A           | B            | B       | B         | B       | B         | A      |
| FENDALTON                  | A        | A         | A       | A       | A                          | A            | B               | -         | B             | A        | A        | A          | A         | B       | A       | B         | A            | A         | B           | B            | A       | A         | A       | A         | B      |
| GOVERNORS BAY              | B        | A         | B       | B       | B                          | B            | A               | B         | -             | A        | B        | A          | B         | C       | B       | A         | B            | B         | A           | B            | B       | B         | B       | B         | B      |
| HALSWELL                   | A        | A         | B       | B       | A                          | A            | B               | A         | A             | -        | B        | A          | A         | C       | A       | B         | A            | A         | B           | B            | A       | A         | B       | A         | B      |
| HAREWOOD                   | A        | A         | A       | A       | A                          | A            | C               | A         | B             | B        | -        | A          | A         | B       | A       | B         | A            | A         | B           | B            | A       | A         | A       | A         | B      |
| HILLMORTON                 | A        | A         | B       | B       | A                          | A            | B               | A         | A             | A        | A        | -          | A         | B       | A       | B         | A            | A         | A           | B            | A       | A         | A       | A         | B      |
| ISLINGTON                  | A        | A         | B       | B       | A                          | A            | B               | A         | B             | A        | A        | A          | -         | C       | B       | B         | A            | A         | B           | B            | A       | A         | B       | A         | B      |
| KAIAPOI                    | B        | B         | A       | B       | B                          | B            | C               | B         | C             | C        | B        | B          | C         | -       | B       | C         | B            | B         | B           | B            | B       | B         | B       | B         | C      |
| LINWOOD                    | A        | A         | B       | A       | A                          | A            | B               | A         | B             | A        | A        | A          | B         | B       | -       | A         | A            | A         | A           | A            | A       | A         | A       | A         | A      |
| LYTTELTON                  | B        | A         | B       | B       | B                          | B            | A               | B         | A             | B        | B        | B          | B         | C       | A       | -         | B            | B         | A           | B            | B       | B         | B       | B         | A      |
| MEMORIAL AVE               | A        | A         | A       | A       | A                          | A            | B               | A         | B             | A        | A        | A          | A         | B       | A       | B         | -            | A         | B           | B            | A       | A         | A       | A         | B      |
| MIDDLETON                  | A        | A         | B       | B       | A                          | A            | B               | A         | B             | A        | A        | A          | A         | B       | A       | B         | A            | -         | B           | B            | A       | A         | A       | A         | B      |
| MT PLEASANT                | B        | A         | B       | A       | B                          | A            | A               | B         | A             | B        | B        | A          | B         | B       | A       | A         | B            | B         | -           | A            | B       | B         | A       | A         | A      |
| NEW BRIGHTON               | B        | A         | B       | A       | B                          | A            | B               | B         | B             | B        | B        | B          | B         | B       | A       | B         | B            | B         | A           | -            | A       | B         | A       | A         | A      |
| PAPANUI                    | A        | A         | A       | A       | A                          | A            | B               | A         | B             | A        | A        | A          | A         | B       | A       | B         | A            | A         | B           | A            | -       | A         | A       | A         | B      |
| RICCARTON                  | A        | A         | B       | A       | A                          | A            | B               | A         | B             | A        | A        | A          | A         | B       | A       | B         | A            | A         | B           | B            | A       | -         | A       | A         | B      |
| SHIRLEY                    | A        | A         | A       | A       | A                          | A            | B               | A         | B             | B        | A        | A          | B         | B       | A       | B         | A            | A         | A           | A            | A       | A         | -       | A         | B      |
| ST ALBANS                  | A        | A         | A       | A       | A                          | A            | B               | A         | B             | A        | A        | A          | A         | B       | A       | B         | A            | A         | A           | A            | A       | A         | A       | -         | B      |
| SUMNER                     | B        | A         | B       | B       | B                          | B            | A               | B         | B             | B        | B        | B          | B         | C       | A       | A         | B            | B         | A           | A            | B       | B         | B       | B         | -      |

## DUNEDIN

|                   | ANDERSONS BAY | BRIGHTON | CORSTORPHINE | DUNEDIN | GREEN ISLAND | HALFWAY BUSH | LEITH VALLEY | MACANDREW BAY | MAORI HILL | MORNINGTON | MOSGIEL | NORTH EAST VALLEY | PORT CHALMERS | PORTOBELLO | RAVENSBOURNE | SOUTH DUNEDIN |
|-------------------|---------------|----------|--------------|---------|--------------|--------------|--------------|---------------|------------|------------|---------|-------------------|---------------|------------|--------------|---------------|
| ANDERSONS BAY     | -             | B        | A            | A       | A            | A            | A            | A             | A          | A          | B       | A                 | B             | B          | A            | A             |
| BRIGHTON          | B             | -        | B            | B       | A            | B            | B            | C             | B          | B          | A       | B                 | C             | C          | B            | B             |
| CORSTORPHINE      | A             | B        | -            | A       | A            | A            | A            | B             | A          | A          | A       | A                 | B             | C          | A            | A             |
| DUNEDIN           | A             | B        | A            | -       | A            | A            | A            | A             | A          | A          | B       | A                 | B             | B          | A            | A             |
| GREEN ISLAND      | A             | A        | A            | A       | -            | A            | A            | B             | A          | A          | A       | A                 | B             | C          | B            | A             |
| HALFWAY BUSH      | A             | B        | A            | A       | A            | -            | A            | A             | A          | A          | A       | A                 | B             | B          | A            | A             |
| LEITH VALLEY      | A             | B        | A            | A       | A            | A            | -            | A             | A          | A          | B       | A                 | A             | B          | A            | A             |
| MACANDREW BAY     | A             | C        | B            | A       | B            | A            | A            | -             | A          | A          | B       | A                 | A             | B          | A            | A             |
| MAORI HILL        | A             | B        | A            | A       | A            | A            | A            | A             | -          | A          | B       | A                 | B             | B          | A            | A             |
| MORNINGTON        | A             | B        | A            | A       | A            | A            | A            | A             | A          | -          | A       | A                 | B             | B          | A            | A             |
| MOSGIEL           | B             | A        | A            | B       | A            | A            | B            | B             | B          | A          | -       | B                 | C             | C          | B            | B             |
| NORTH EAST VALLEY | A             | B        | A            | A       | A            | A            | A            | A             | A          | A          | B       | -                 | A             | B          | A            | A             |
| PORT CHALMERS     | B             | C        | B            | B       | B            | B            | A            | A             | B          | B          | C       | A                 | -             | A          | A            | B             |
| PORTOBELLO        | B             | C        | C            | B       | C            | B            | B            | B             | B          | B          | C       | B                 | A             | -          | B            | B             |
| RAVENSBOURNE      | A             | B        | A            | A       | B            | A            | A            | A             | A          | A          | B       | A                 | A             | B          | -            | A             |
| SOUTH DUNEDIN     | A             | B        | A            | A       | A            | A            | A            | A             | A          | A          | B       | A                 | B             | B          | A            | -             |

## FEILDING

|          | FEILDING |
|----------|----------|
| FEILDING | -        |

## GISBORNE

|             | GISBORNE | LYTTON WEST |
|-------------|----------|-------------|
| GISBORNE    | -        | A           |
| LYTTON WEST | A        | -           |

## GREYMOUTH

|           | GREYMOUTH | PAROA |
|-----------|-----------|-------|
| GREYMOUTH | -         | A     |
| PAROA     | A         | -     |

| HAMILTON      | BRYMER | CAMBRIDGE | CLAUDELANDS | FLAGSTAFF | FRANKTON | HAMILTON | HAMILTON EAST | MELVILLE | TE AWAMUTU | TE RAPA |
|---------------|--------|-----------|-------------|-----------|----------|----------|---------------|----------|------------|---------|
| BRYMER        | -      | C         | A           | A         | A        | A        | A             | A        | C          | A       |
| CAMBRIDGE     | C      | -         | C           | C         | C        | C        | B             | B        | B          | C       |
| CLAUDELANDS   | A      | C         | -           | A         | A        | A        | A             | A        | C          | A       |
| FLAGSTAFF     | A      | C         | A           | -         | A        | A        | A             | A        | C          | A       |
| FRANKTON      | A      | C         | A           | A         | -        | A        | A             | A        | C          | A       |
| HAMILTON      | A      | C         | A           | A         | A        | -        | A             | A        | C          | A       |
| HAMILTON EAST | A      | B         | A           | A         | A        | A        | -             | A        | C          | A       |
| MELVILLE      | A      | B         | A           | A         | A        | A        | A             | -        | C          | A       |
| TE AWAMUTU    | C      | B         | C           | C         | C        | C        | C             | C        | -          | C       |
| TE RAPA       | A      | C         | A           | A         | A        | A        | A             | A        | C          | -       |

| HAWERA | HAWERA |
|--------|--------|
| HAWERA | -      |

| INVERCARGILL       | GORE | INVERCARGILL | INVERCARGILL EAST | MATAURA | SOUTH INVERCARGILL | WAIKIWI |
|--------------------|------|--------------|-------------------|---------|--------------------|---------|
| GORE               | -    | C            | C                 | B       | C                  | C       |
| INVERCARGILL       | C    | -            | A                 | C       | A                  | A       |
| INVERCARGILL EAST  | C    | A            | -                 | C       | A                  | A       |
| MATAURA            | B    | C            | C                 | -       | C                  | C       |
| SOUTH INVERCARGILL | C    | A            | A                 | C       | -                  | A       |
| WAIKIWI            | C    | A            | A                 | C       | A                  | -       |

| PARAPARAUMU | PAEKAKARIKI | PUKERUA BAY | PARAPARAUMU | RAUMATI | WAIKANAE |
|-------------|-------------|-------------|-------------|---------|----------|
| PAEKAKARIKI | -           | A           | A           | A       | B        |
| PUKERUA BAY | A           | -           | B           | B       | C        |
| PARAPARAUMU | A           | B           | -           | A       | A        |
| RAUMATI     | A           | B           | A           | -       | A        |
| WAIKANAE    | B           | C           | A           | A       | -        |

| LEVIN | LEVIN |
|-------|-------|
| LEVIN | -     |

**MASTERTON**

MASTERTON

MASTERTON -

**NAPIER/HASTINGS**

FLAXMERE  
HASTINGS  
HAVELOCK NORTH  
MAREWA  
NAPIER  
TARADALE

|                |   |   |   |   |   |   |
|----------------|---|---|---|---|---|---|
| FLAXMERE       | - | A | A | B | B | B |
| HASTINGS       | A | - | A | B | B | B |
| HAVELOCK NORTH | A | A | - | B | C | B |
| MAREWA         | B | B | B | - | A | A |
| NAPIER         | B | B | C | A | - | A |
| TARADALE       | B | B | B | A | A | - |

**NELSON**

ATAWHAI  
NELSON  
RICHMOND  
STOKE  
TAHUNANUI

|           |   |   |   |   |   |
|-----------|---|---|---|---|---|
| ATAWHAI   | - | A | B | A | A |
| NELSON    | A | - | B | A | A |
| RICHMOND  | B | B | - | A | A |
| STOKE     | A | A | A | - | A |
| TAHUNANUI | A | A | A | A | - |

**NEW PLYMOUTH**

BELL BLOCK  
FRANKLEIGH PARK  
NEW PLYMOUTH  
SPOTSWOOD

|                 |   |   |   |   |
|-----------------|---|---|---|---|
| BELL BLOCK      | - | A | A | B |
| FRANKLEIGH PARK | A | - | A | A |
| NEW PLYMOUTH    | A | A | - | A |
| SPOTSWOOD       | B | A | A | - |

**OAMARU**

OAMARU  
OAMARU NORTH

|              |   |   |
|--------------|---|---|
| OAMARU       | - | A |
| OAMARU NORTH | A | - |

| <b>PALMERSTON NORTH</b> | CLOVERLEA | JOHN F KENNEDY | KELVIN GROVE | MAXWELLS LINE | PALMERSTON NORTH | TURITEA |
|-------------------------|-----------|----------------|--------------|---------------|------------------|---------|
| CLOVERLEA               | -         | A              | A            | A             | A                | A       |
| JOHN F KENNEDY          | A         | -              | A            | A             | A                | A       |
| KELVIN GROVE            | A         | A              | -            | A             | A                | A       |
| MAXWELLS LINE           | A         | A              | A            | -             | A                | A       |
| PALMERSTON NORTH        | A         | A              | A            | A             | -                | A       |
| TURITEA                 | A         | A              | A            | A             | A                | -       |

| <b>PUKEKOHE</b> | PUKEKOHE |
|-----------------|----------|
| PUKEKOHE        | -        |

| <b>QUEENSTOWN</b> | QUEENSTOWN | WAKATIPU |
|-------------------|------------|----------|
| QUEENSTOWN        | -          | A        |
| WAKATIPU          | A          | -        |

| <b>RANGIORA</b> | RANGIORA |
|-----------------|----------|
| RANGIORA        | -        |

| <b>ROTORUA</b> | LYNMORE | NGONGOTAHA | ROTORUA |
|----------------|---------|------------|---------|
| LYNMORE        | -       | A          | A       |
| NGONGOTAHA     | A       | -          | A       |
| ROTORUA        | A       | A          | -       |

| <b>TAUPO</b> | TAUPO |
|--------------|-------|
| TAUPO        | -     |

| <b>TAURANGA</b> | BETHLEHEM | MAUNGATAPU | MT MAUNGANUI | OTUMOETAI | PACIFIC VIEW | PAPAMOA | TAURANGA | TE RANGA | WELCOME BAY |
|-----------------|-----------|------------|--------------|-----------|--------------|---------|----------|----------|-------------|
| BETHLEHEM       | -         | A          | A            | A         | B            | B       | A        | A        | A           |
| MAUNGATAPU      | A         | -          | A            | A         | A            | B       | A        | A        | A           |
| MT MAUNGANUI    | A         | A          | -            | A         | A            | B       | A        | B        | A           |
| OTUMOETAI       | A         | A          | A            | -         | B            | B       | A        | A        | A           |
| PACIFIC VIEW    | B         | A          | A            | B         | -            | A       | A        | B        | A           |
| PAPAMOA         | B         | B          | B            | B         | A            | -       | B        | B        | B           |
| TAURANGA        | A         | A          | A            | A         | A            | B       | -        | A        | A           |
| TE RANGA        | A         | A          | B            | A         | B            | B       | A        | -        | A           |
| WELCOME BAY     | A         | A          | A            | A         | A            | B       | A        | A        | -           |

| <b>TIMARU</b> | GLENITI | TIMARU | WASHDYKE |
|---------------|---------|--------|----------|
| GLENITI       | -       | A      | A        |
| TIMARU        | A       | -      | A        |
| WASHDYKE      | A       | A      | -        |

| <b>TOKOROA</b> | TOKOROA |
|----------------|---------|
| TOKOROA        | -       |

| <b>WAIHEKE</b> | WAIHEKE |
|----------------|---------|
| WAIHEKE        | -       |

| <b>WAIUKU</b> | WAIUKU |
|---------------|--------|
| WAIUKU        | -      |

| <b>WANGANUI</b>        | GONVILLE | WANGANUI | WANGANUI EAST | WANGANUI GIRLS COLLEGE |
|------------------------|----------|----------|---------------|------------------------|
| GONVILLE               | -        | A        | A             | A                      |
| WANGANUI               | A        | -        | A             | A                      |
| WANGANUI EAST          | A        | A        | -             | A                      |
| WANGANUI GIRLS COLLEGE | A        | A        | A             | -                      |

**WELLINGTON**

|                  | ALICETOWN | BELMONT | COURTENAY PLACE | EASTBOURNE | HATAITAI | ISLAND BAY | JOHNSONVILLE | KARORI | KELBURN | KHANDALLAH | KILBIRNIE | LOWER HUTT | MIRAMAR | NAENAE | PETONE | PLIMMERTON | PORIRUA | STOKES VALLEY | TAWA | TITAHIBAY | UPPER HUTT | UPPER HUTT NORTH | WAINUIOMATA | WAITANGIRUA | WELLINGTON | WELLINGTON SOUTH | WHITBY |
|------------------|-----------|---------|-----------------|------------|----------|------------|--------------|--------|---------|------------|-----------|------------|---------|--------|--------|------------|---------|---------------|------|-----------|------------|------------------|-------------|-------------|------------|------------------|--------|
| ALICETOWN        | -         | A       | B               | A          | B        | B          | A            | B      | B       | A          | B         | A          | B       | A      | A      | B          | A       | A             | A    | B         | B          | C                | A           | A           | B          | B                | B      |
| BELMONT          | A         | -       | B               | B          | B        | C          | B            | B      | B       | B          | B         | A          | B       | A      | A      | B          | A       | A             | A    | B         | B          | B                | A           | A           | B          | B                | A      |
| COURTENAY PLACE  | B         | B       | -               | A          | A        | A          | A            | A      | A       | A          | A         | B          | A       | B      | B      | C          | B       | C             | B    | C         | C          | C                | B           | C           | A          | A                | C      |
| EASTBOURNE       | A         | B       | A               | -          | A        | B          | B            | B      | B       | B          | A         | A          | A       | B      | A      | C          | B       | B             | B    | C         | C          | C                | A           | B           | B          | B                | B      |
| HATAITAI         | B         | B       | A               | A          | -        | A          | A            | A      | A       | A          | A         | B          | A       | B      | B      | C          | B       | C             | B    | C         | C          | C                | B           | C           | A          | A                | C      |
| ISLAND BAY       | B         | C       | A               | B          | A        | -          | B            | A      | A       | A          | A         | B          | A       | C      | B      | C          | C       | C             | B    | C         | C          | C                | B           | C           | A          | A                | C      |
| JOHNSONVILLE     | A         | B       | A               | B          | A        | B          | -            | A      | A       | A          | B         | A          | B       | B      | A      | B          | A       | B             | A    | B         | C          | C                | B           | B           | A          | B                | B      |
| KARORI           | B         | B       | A               | B          | A        | A          | A            | -      | A       | A          | A         | B          | A       | B      | B      | C          | B       | C             | B    | C         | C          | C                | B           | C           | A          | A                | C      |
| KELBURN          | B         | B       | A               | B          | A        | A          | A            | A      | -       | A          | A         | B          | A       | B      | B      | C          | B       | C             | B    | C         | C          | C                | B           | C           | A          | A                | C      |
| KHANDALLAH       | A         | B       | A               | B          | A        | A          | A            | A      | A       | -          | A         | B          | A       | B      | A      | B          | B       | B             | B    | B         | C          | C                | B           | B           | A          | A                | B      |
| KILBIRNIE        | B         | B       | A               | A          | A        | A          | B            | A      | A       | A          | -         | B          | A       | B      | B      | C          | C       | C             | B    | C         | C          | C                | B           | C           | A          | A                | C      |
| LOWER HUTT       | A         | A       | B               | A          | B        | B          | A            | B      | B       | B          | B         | -          | B       | A      | A      | B          | A       | A             | A    | B         | B          | C                | A           | A           | B          | B                | B      |
| MIRAMAR          | B         | B       | A               | A          | A        | A          | B            | A      | A       | A          | A         | B          | -       | B      | B      | C          | C       | C             | B    | C         | C          | C                | B           | C           | A          | A                | C      |
| NAENAE           | A         | A       | B               | B          | B        | C          | B            | B      | B       | B          | B         | A          | B       | -      | A      | B          | A       | A             | B    | B         | B          | B                | A           | A           | B          | B                | A      |
| PETONE           | A         | A       | B               | A          | B        | B          | A            | B      | B       | A          | B         | A          | B       | A      | -      | B          | B       | A             | A    | B         | B          | C                | A           | B           | B          | B                | B      |
| PLIMMERTON       | B         | B       | C               | C          | C        | C          | B            | C      | C       | B          | C         | B          | C       | B      | B      | -          | A       | B             | A    | A         | B          | B                | C           | A           | C          | C                | A      |
| PORIRUA          | A         | A       | B               | B          | B        | C          | A            | B      | B       | B          | C         | A          | C       | A      | B      | A          | -       | B             | A    | A         | B          | C                | B           | A           | B          | C                | A      |
| STOKES VALLEY    | A         | A       | C               | B          | C        | C          | B            | C      | C       | B          | C         | A          | C       | A      | A      | B          | B       | -             | B    | B         | A          | B                | B           | A           | C          | C                | B      |
| TAWA             | A         | A       | B               | B          | B        | B          | A            | B      | B       | B          | B         | A          | B       | B      | A      | A          | A       | B             | -    | A         | B          | C                | B           | A           | B          | B                | A      |
| TITAHIBAY        | B         | B       | C               | C          | C        | C          | B            | C      | C       | B          | C         | B          | C       | B      | B      | A          | A       | B             | A    | -         | B          | C                | C           | A           | C          | C                | A      |
| UPPER HUTT       | B         | B       | C               | C          | C        | C          | C            | C      | C       | C          | C         | B          | C       | B      | B      | B          | B       | A             | B    | B         | -          | A                | B           | B           | C          | C                | B      |
| UPPER HUTT NORTH | C         | B       | C               | C          | C        | C          | C            | C      | C       | C          | C         | C          | C       | B      | C      | B          | C       | B             | C    | C         | A          | -                | C           | B           | C          | C                | B      |
| WAINUIOMATA      | A         | A       | B               | A          | B        | B          | B            | B      | B       | B          | B         | A          | B       | A      | A      | C          | B       | B             | B    | C         | B          | C                | -           | B           | B          | B                | B      |
| WAITANGIRUA      | A         | A       | C               | B          | C        | C          | B            | C      | C       | B          | C         | A          | C       | A      | B      | A          | A       | A             | A    | A         | B          | B                | B           | -           | B          | C                | A      |
| WELLINGTON       | B         | B       | A               | B          | A        | A          | A            | A      | A       | A          | A         | B          | A       | B      | B      | C          | B       | C             | B    | C         | C          | C                | B           | B           | -          | A                | C      |
| WELLINGTON SOUTH | B         | B       | A               | B          | A        | A          | B            | A      | A       | A          | A         | B          | A       | B      | B      | C          | C       | C             | B    | C         | C          | C                | B           | C           | A          | -                | C      |
| WHITBY           | B         | A       | C               | B          | C        | C          | B            | C      | C       | B          | C         | B          | C       | A      | B      | A          | A       | B             | A    | A         | B          | B                | B           | A           | C          | C                | -      |

**WHAKATANE**

|           |   |
|-----------|---|
| WHAKATANE | - |
|-----------|---|

**WHANGAREI**

|            | KAMO | KENSINGTON | ONERAHI | WHANGAREI |
|------------|------|------------|---------|-----------|
| KAMO       | -    | A          | B       | A         |
| KENSINGTON | A    | -          | A       | A         |
| ONERAHI    | B    | A          | -       | A         |
| WHANGAREI  | A    | A          | A       | -         |



## APPENDIX 5 – METHODOLOGY FOR AMENDMENT OF ANCILLARY CHARGES

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1. This Appendix 5 sets out the processes and methodologies that Chorus will use when amending Ancillary Charges. This is for information purposes only and does not constitute binding legal obligations between Chorus and the Service Provider.
2. Where the LFC adjusts the Ancillary Charges, it will:
  - 2.1. Where the change is as a result of input costs to an Ancillary Charge in the column "Price Change Mechanism" and identified as "clause 3.2.2", it may only increase such an Ancillary Charge if:
    - 2.1.1. the input costs, following the adjustment, are market competitive (or lower);
    - 2.1.2. the arrangements between the LFC and the Contractor are on arm's length terms; and
    - 2.1.3. if the LFC has used reasonable commercial endeavours:
      - a) ensure that the Ancillary Service is performed efficiently and that the resources and costs relating to the Ancillary Service are minimised to the maximum extent practicable; and
      - b) to avoid any increase in costs.
  - 2.2. When adjusting the Ancillary Charges in the column "Price Change Mechanism" and identified as " 3.2.1", the LFC must also review all Ancillary Charges which are POA and provide a fixed price where this is practicable. If the LFC provides a fixed price, the:
    - 2.2.1. fixed price must be market competitive (or lower);
    - 2.2.2. LFC must use reasonable commercial endeavours to ensure that the relevant Ancillary Service is performed efficiently and that the resources and costs relating to the Ancillary Services, and the fixed price, is minimised to the maximum extent practicable; and
    - 2.2.3. LFC shall specify the applicable Price Change Mechanism.
  - 2.3. Once an adjustment has been calculated under Charges in the column "Price Change Mechanism" and identified as "3.2.1" or "3.2.2" or under clause 2.2 of Appendix 5, the LFC must give notice to Service Providers of the adjustment. The notice must include:
    - 2.3.1. a description of the adjustment made; and
    - 2.3.2. the reason for the increase or decrease;
  - 2.4. Any adjustment to an Ancillary Charge calculated under "3.2.1" or "3.2.2" or clause 2.2 of Appendix 5 will take effect no less than [60] Business Days after notice is given to Service Providers.

## APPENDIX 6 – PONFAS CHARGES

### 1 Table A – PONFAS Ancillary Charges

| Service component   | Description   | Charge invoiced  | Price Change Mechanism | Charge   |
|---|---|--|------------------------|--|
| 1.1 Service Lead Installation - Residential                                       | The establishment of a new lead-in (i.e. no existing spares or intact distribution fibre from the FAP to the residential customer premises). The service lead is established from the provision of a Standard Install as described in the PONFAS Operations Manual. Note: This covers the scenario where there is no spare orange fibre.  | Following notification by the LFC of completion of Service Order | 3.6                    | No Installation Fee for Residential Connections                                      |
| 1.2 Service Lead Installation – Business / Education                              | The establishment of a new lead-in (i.e. no existing spares or intact distribution fibre from the FAP to the business customer or educational premises). The service lead is established from the provision of a Standard Install as described in the PONFAS Operations Manual. Note: This covers the scenario where there is no spare orange fibre.  | Following notification by the LFC of completion of Service Order | 3.6                    | No Installation Fee for Business Connections   |
| 1.3 Service Lead Installation – Non Standard Install.                             | Additional charge for work required in excess of Standard Install to establish a new service lead at a Premises (i.e. there is no Transfer) where a Non Standard Install is required.   | Following notification by the LFC of completion of Service Order | 3.6                    | Time and materials<br>Based on an hourly rate of \$85.00 per hour plus material cost |
| 1.4 PONFAS Distribution Fibre New Connection - Residential, any instance          | The establishment of a new service instance of PONFAS Distribution Fibre from spares or intact distribution fibre and service lead in from the FAP to the Residential Premises (i.e. there is no PONFAS Transfer). That is, it utilises an existing distribution fibre that is not currently used for the provision of telecommunications services. This does not include the installation of an ONT, router, or internal premise wiring.             | Following notification by the LFC of completion of Service Order | 3.6                    | No Connection Fee for Residential Connections  |
| 1.5 PONFAS Distribution Fibre New Connection - Business / Education, any instance | The establishment of a new service instance of PONFAS Distribution Fibre from spares or intact distribution fibre and service lead in from the FAP to the Business or Educational Premises (i.e. there is no PONFAS Transfer). That is, it utilises an existing distribution fibre that is not currently used for the provision of telecommunications services. This does not include the installation of an ONT, router, or internal premise wiring. | Following notification by the LFC of completion of Service Order | 3.6                    | Charge equivalent to 1 months recurring fee for PONFAS Distribution Fibre            |

| Service component | Description   | Charge invoiced   | Price Change Mechanism   | Charge |   |
|-------------------|---|---|--|--------|---|
| 1.6               | PONFAS Distribution Fibre Transfer                                      | The transfer of the PONFAS Distribution Fibre connected to an End User's premises from one Service Provider to another, as authorised by the End User (i.e. one unbundler to another unbundler)   | Following notification by the LFC of completion of Service Order | 3.6    | \$23.62   |
| 1.7               | PONFAS Distribution Transfer within Service Provider Account            | The transfer of the PONFAS connected to an End User's premises within an Service Provider account, as authorised by the End User (i.e. from one RSP to another when using the same Service Provider unbundler)  | Following notification by the LFC of completion of Service Order | 3.6    | \$23.62   |
| 1.8               | Bulk Transfer and connection of PONFAS Distribution Fibre               | Project management and additional transaction resources for coordination of multiple PONFAS Distribution fibre related transfers and connections at the same Central Office/ FFP  | Following notification by the LFC of completion of Service Order | 3.6    | Price on Application ( <b>POA</b> ) Pricing to reflect underlying costs in additional resources and project management taking into account charges for each individual transfer |
| 1.9               | Proactive Provisioning Management - MDU/Right of Way                    | Proactive Provisioning Management for the establishment of new service instances of PONFAS Distribution Fibre in MDU and Right of Ways  | Following notification by the LFC of completion of Service Order | 3.6    | Time & materials<br>Based on an hourly rate of \$106.00 per hour for design and an hourly rate of \$90.00 per hour for installation plus material cost.                         |
| 1.10              | New Connection - PONFAS Feeder Fibre & Splitter                         | The establishment of a PONFAS Feeder Fibre and 1:16 Splitter. Including connection of the Feeder Fibre to the Service Provider Equipment in the PONFAS Area in the exchange or the OFDF or equivalent facility, and to the standard 1:16 splitter in the FFP . The new connection is established from the provision of a Standard Install as described in the PONFAS Operations Manual] | Following notification by the LFC of completion of Service Order | 3.6    | \$500.00  |
| 1.11              | New Connection - PONFAS Feeder Fibre & Splitter – Non-Standard Install. | Additional charge for work required in excess of Standard Install to establish a new connection - PONFAS Feeder Fibre & Splitter) where a Non-Standard Install is required.   | Following notification by the LFC of completion of Service Order | 3.6    | Time and materials<br>Based on an hourly rate of \$85.00 per hour plus material cost  |
| 1.12              | Relinquishment of PONFAS Distribution Fibre                             | Relinquishment of an existing Service Provider's End User PONFAS Distribution Fibre. This entails Chorus updating its records and billing. Chorus will physically disconnect the Distribution Fibre at any point between the FFP and the End User's premises  | Following notification by the LFC of completion of Service Order | 3.6    | \$0.00  |
| 1.13              | Relinquishment of PONFAS Feeder Fibre Connection and Splitter           | Relinquishment of an existing Service Provider PONFAS Connection and splitter. Charge covers time and materials to remove an existing PONFAS Feeder Connection, splitter, cables and equipment  | Following notification by the LFC of completion of Service Order | 3.6    | Time and materials<br>Based on an hourly rate of \$85.00 per hour plus material cost  |

| Service component | Description   | Charge invoiced  | Price Change Mechanism   | Charge |   |
|-------------------|---|--|--|--------|---|
| 1.14              | Private Customer Service Experience (CSE)                 | Development of a new or changing an existing Private Customer Service Experience for the establishment of new service instances of PONFAS Distribution Fibre and other services outside of standard processes                                  | Following completion of Product Development Process              | 3.6    | Price on Application ( <b>POA</b> )<br>Pricing to reflect underlying costs in additional resources and project management taking into account charges for each connection |
| 1.15              | Modify PONFAS Distribution Fibre Transaction              | Modification of an existing PONFAS Distribution Fibre Connection order before truck roll   | Following completion of investigation                            | 3.6    | \$0.00  |
| 1.16              | Cancellation of Bulk Transfer Service request             | Cancelled Bulk Transfer Service order  | Following notification by the LFC of completion of Service Order | 3.6    | Time and materials<br>Based on an hourly rate of \$99.70 per hour plus material cost  |
| 1.17              | Unauthorised Automatic Address Pre-qualification Order    | Order by a Service Provider for the automatic provision of information relating to an End User's existing service address when the Service Provider does not have End User authorisation to supply services to the End User's service address. | Following provision of information                               | 3.6    | \$0.00  |
| 1.18              | Authorised Automatic Address Pre-qualification Order      | Order by a Service Provider for the automatic provision of information relating to an End User's existing service address where the Service Provider has obtained End User authorisation to supply services to the End User's service address. | Following provision of information                               | 3.6    | \$0.00  |
| 1.19              | Bulk Pre-qualification Order                              | Order by a Service Provider for the bulk provision of information relating to an End User's existing service addresses   | Following provision of information                               | 3.6    | Time and materials<br>Based on an hourly rate of \$99.70 per hour plus material cost  |
| 1.20              | Order cancellation - Feeder Fibre (Pre Truck Roll)        | Cancellation of an order after RFS Date notified to Service Provider but before truck roll confirmed   | Upon cancellation of the Service Order                           | 3.6    | \$5.76  |
| 1.21              | Order cancellation - Feeder Fibre (Post Truck Roll)       | Cancellation of an Order after RFS date notified to Service Provider and after truck roll confirmed  | Upon cancellation of the Service Order                           | 3.6    | \$56.59   |
| 1.22              | Order cancellation - Distribution Fibre (Pre Truck Roll)  | Cancellation of an order after RFS Date notified to Service Provider but before truck roll confirmed   | Upon cancellation of the Service Order                           | 3.6    | \$5.76  |
| 1.23              | Order cancellation - Distribution Fibre (Post Truck Roll) | Cancellation of an Order after RFS date notified to Service Provider and after truck roll confirmed  | Upon cancellation of the Service Order                           | 3.6    | \$56.59   |

| Service component | Description   | Charge invoiced   | Price Change Mechanism   | Charge |          |
|-------------------|---|---|--|--------|----------|
| 1.24              | PONFAS ONT installation, at same time of PONFAS Distribution Fibre New Connection     | The installation of an ONT and connection to the ITP in the customer premises at the same time as the PONFAS Distribution Fibre New Connection. Excludes ONT.     | Following notification by the LFC of completion of Service Order | 3.6    | \$100.00 |
| 1.25              | PONFAS ONT installation, not at same time of PONFAS Distribution Fibre New Connection | The installation of an ONT and connection to the ITP in the customer premises not at the same time as the PONFAS Distribution Fibre New Connection. Excludes ONT. | Following notification by the LFC of completion of Service Order | 3.6    | \$200.55 |
| 1.26              | Customer Site Visit Rescheduling  | Where a customer site visit has to be rescheduled at the request of the customer prior to truck roll  | Upon rescheduling  | 3.6    | \$0.00   |
| 1.27              | Customer No Show  | Customer no show for PONFAS Distribution fibre where, for a reason not caused by Chorus, a visit doesn't proceed, or the site visit is not completed              | Following site visit cancellation                                | 3.6    | \$170.00 |

## 2 Table B – PONFAS Core Charges <sup>13</sup>

| Service component |   | Description  | Charge invoiced | Charge             |
|-------------------|---|--|-----------------|--------------------|
| 2.1               | PONFAS Distribution Fibre<br>- Residential          | PONFAS distribution fibre as per PONFAS Service Description<br><br>Residential only.           | Monthly         | \$28.34 per month  |
| 2.2               | PONFAS Distribution Fibre<br>– Business / Education | PONFAS distribution fibre as per PONFAS Service Description<br><br>Business or Education only. | Monthly         | \$28.34 per month  |
| 2.3               | PONFAS Feeder Fibre                                 | PONFAS feeder fibre as per PONFAS Service Description.   | Monthly         | \$200.00 per month |

<sup>13</sup> Changes for these charges are governed by clause 3.6 of this Price List.