

Enable Networks Limited
UFB Services Agreement

Price List v1.7 July 2017

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1. Introduction

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

1.4. Definitions

In this Price List:

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

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

Core Charges means Transactional Charges and the Recurring Charges.

Group A Central Office means a Central Office listed as a "Group A" Central Office in Appendix C of the Service Description for Fibre Interconnection Services.

Group B Central Office means a Central Office listed as a "Group B" Central Office in Appendix C of the Service Description for Fibre Interconnection Services.

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

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

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

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

2. Charges

- 2.1. The services referred to in Appendix 3 are the Ancillary Services.
- 2.2. Transactional Charges and Ancillary Charges can be either:
 - 2.2.1. fixed;
 - 2.2.2. calculated on a fixed hourly rate (plus materials where applicable); or

- 2.2.3. expressed as "price on application" (**POA**) to reflect the underlying cost of providing the resources and project management skills required to provide the service.
- 2.3. For all POA price items, the LFC must, if requested by the Service Provider, use all reasonable endeavours to provide the Service Provider with two or more competitive quotes.
- 2.4. Charges will become due and payable and will be invoiced in the manner described in the Appendices, subject to the provisions in the General Terms relating to invoicing and payment of Charges.
- 2.5. All prices in this Price List exclude GST.

3. Adjustment to Ancillary Charges

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

4. Early Termination Charges

- 4.1. Each Wholesale Service is subject to a Minimum Service Term.
- 4.2. If:
 - 4.2.1. a Primary Service Provider terminates or otherwise relinquishes a Wholesale Service prior to the expiry of the applicable Minimum Service Term (other than where the Service Provider has terminated the Agreement or the applicable Service Order in accordance with clause 22.1 of the General Terms); or
 - 4.2.2. the LFC terminates the supply of a Wholesale Service to a Primary Service Provider prior to the expiry of the applicable Minimum Service Term in accordance with clause 22.1 of the General Terms,

and that Wholesale Service is or was the first Wholesale Service to be provided to the relevant Premises, NBAP or End User Tenancy within an MDU (as applicable) using the LFC's Network then that will be an early termination event (an **Early Termination Event**) for which early termination charges (**Early Termination Charges**) will be payable by the Service Provider (unless waived by the LFC in accordance with clause 4.4).

- 4.3. This section 4 sets out when Early Termination Charges are payable by the Service Provider and how those Early Termination Charges are calculated.

- 4.4. The LFC may, at its discretion, elect to waive Early Termination Charges that become payable by the Service Provider.

General Rule

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

APPENDIX 1 – TRANSACTIONAL CHARGES

1 Bitstream Services

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

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1.8	Bitstream 3a educational** new Connection	The establishment of a new service instance of the Bitstream 3a Service where that installation is an educational Connection (i.e. there is no Bitstream Transfer). The service is established from the provision of a Standard Install as described in the Bitstream 3a Service Descriptions.	Following notification by the LFC of completion of Service Order	Charge equivalent to 1 month's recurring fee for relevant Bitstream 3A Service
1.9	Bitstream 4 educational** new Connection	The establishment of a new service instance of the Bitstream Service 4 where that installation is an educational Connection (i.e. there is no Bitstream Transfer). The service is established from the provision of a Standard Install as described in the Bitstream 4 Service Description.	Following notification by the LFC of completion of Service Order	Charge equivalent to 1 month's recurring fee for relevant Bitstream 4 Service

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1.10	Provision of Priority User service route diversity	Provision of diversity to an End User that is a Priority User and within the diversity areas specified in the Service Description, comprising a separate diverse fibre from a common FAP at the End User premises to a single point of entry and OFDF at a single Central Office, which may include construction of a diverse duct and cabling route from the FAP at the End User premises to Central Office, but excluding where the End User premises does not have an alternative road access route from the relevant Central Office within the Candidate Area.	Following notification by the LFC of completion of Service Order	Charge equivalent to two months' recurring fees for the new diversity service.
1.11	Provision of Priority User service route and entry point diversity	Provision of diversity to an End User that is a Priority User and within the diversity areas specified in the Service Description, comprising a separate diverse fibre from a separate FAP at the End User premises to a single point of entry and OFDF at a single Central Office, which may also include construction of a diverse duct and cabling route from premises to Central Office, but excluding where the End User premises does not have an alternative road access route from the relevant Central Office within the Candidate Area.	Following notification by the LFC of completion of Service Order	Charge equivalent to two months' recurring fees for the new diversity service.

2 Direct Fibre Access Service

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

3 Central Office and POI Co-location Service

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

4 Fibre Interconnection Services

Service component	Description	Charge invoiced	Charge
4.1 Fibre Patch service	The establishment of a new service instance of Fibre Patch service in a qualifying CO.	Following notification by the LFC of completion of Service Order.	Equivalent of two months recurring fees for this service.
4.2 Inter CO Fibre Service between Group A COs	The establishment of a new service instance of the Inter CO Fibre Service between two Group A Central Offices.	Following notification by the LFC of completion of Service Order.	Equivalent of two months recurring fees for this service.
4.3 Provision of Inter CO Fibre Diversity between Group A COs	Provision of diversity comprising a separate diverse fibre between single points of entry to each of two Group A Central Offices.	Following notification by the LFC of completion of Service Order.	Equivalent of two months recurring fees for the new diversity service.
4.4 Provision of Inter CO Fibre Diversity and entry point diversity between Group A COs	Provision of diversity comprising a separate diverse fibre between two Group A Central Offices. Separate points of entry will be provided at each Central Office.	Following notification by the LFC of completion of Service Order.	Equivalent of two months recurring fees for the new diversity service.

APPENDIX 2 – RECURRING CHARGES

5 Bitstream Services

Service component	Description	Charge Invoiced	Charge
5.1 GPON Bitstream 30 Mbps down / 10 Mbps up with 2.5 Mbps symmetrical CIR with ATA port Service monthly Charge	<p>Bitstream 2 Template 1 as per Bitstream 2 Service Description, section 3.4.4.</p> <p>Residential only standard monthly rental.</p> <p>Additional CIR / EIR options can be provided as described in items 5.13 – 5.16 using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.</p>	Monthly	\$40.50
5.2 GPON Bitstream 30 Mbps down / 10 Mbps up with 2.5 Mbps CIR up / 10 Mbps CIR down with ATA port Service monthly Charge	<p>Bitstream 2 Template 2 as per Bitstream 2 Service Description, section 3.4.4.</p> <p>Residential only standard monthly rental.</p> <p>Additional CIR / EIR options can be provided as described in items 5.13 – 5.16 using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.</p>	Monthly	\$44.25
5.3 GPON Bitstream 30 Mbps down / 10 Mbps up with 5 Mbps symmetrical CIR with ATA port service Monthly Charge	<p>Bitstream 2 Template 3 as per Bitstream 2 Service Description, section 3.4.4.</p> <p>Standard monthly rental.</p> <p>Additional CIR / EIR options can be provided as described in items 5.13 – 5.16 using the Product Development Process as per part 7 of the Bitstream Operations Services Manual.</p>	Monthly	\$49.95
5.4 GPON Bitstream 100 Mbps down / 50 Mbps up with 2.5 Mbps CIR up / 2.5 Mbps CIR down with ATA port Service monthly Charge	<p>Bitstream 2 Template 4 as per Bitstream 2 Service Description, section 3.4.4.</p> <p>Standard monthly rental.</p> <p>Additional CIR options can be provided as described in items 5.13 – 5.14 using the Product Development Process as per part 7 of the Bitstream Services Operations Manual</p>	Monthly	\$50.00
5.5 GPON Bitstream 100 Mbps down / 50 Mbps up with 2.5 Mbps CIR up / 10 Mbps CIR down with ATA port Service monthly Charge	<p>Bitstream 2 Template 5 as per Bitstream 2 Service Description, section 3.4.4.</p> <p>Standard monthly rental.</p> <p>Additional CIR options can be provided as described in items 5.13 - 5.14 using the Product Development Process as per part 7 of the Bitstream Services Operations Manual</p>	Monthly	\$53.75
5.6 GPON Bitstream 100 Mbps down / 100 Mbps up with ATA port Service monthly Charge	<p>Bitstream 3A Template as per Bitstream 3A Service Description, section 3.4.4.</p> <p>Standard monthly rental for option with 2.5 Mbps symmetrical High Priority CIR and 2.5 Mbps symmetrical Low Priority CIR.</p> <p>High Priority CIR options can be provided as described in items 5.13 - 5.14. Low Priority EIR is reduced as High Priority CIR is increased.</p>	Monthly	\$139.46

5.7	GPON Bitstream 100 Mbps down / 100 Mbps up with ATA port Service monthly Charge	Bitstream 3 Template as per Bitstream 3 Service Description, section 3.4.4. Standard monthly rental for option with 2.5 Mbps symmetrical High Priority CIR. High Priority CIR options can be provided as described in items 5.13 - 5.14	Monthly	\$139.46
5.8	P2P Bitstream 100 Mbps down / 100 Mbps up with 0 CIR Service monthly Charge	Bitstream 4 Service as described in Bitstream 4 Service Description. Standard monthly rental for 100 Mbps service CIR can be provided as described in item 5.17	Monthly	\$305
5.9	P2P Bitstream 1 Gbps down / 1 Gbps up with 0 CIR Service monthly Charge	Bitstream 4 Service as described in Bitstream 4 Service Description. Standard monthly rental for 1 Gbps service provided CIR can be provided as described in item 5.17	Monthly	\$380
5.10	P2P Bitstream 10 Gbps down / 10 Gbps up with 0 CIR Service monthly Charge	Bitstream 4 Service as described in Bitstream 4 Service Description. Standard monthly rental for 10 Gbps service CIR can be provided as described in item 5.17	Monthly	\$1280
5.11	10 Mbps Ethernet Multicast Access channel Service monthly Charge	Additional standard monthly rental for a 10 Mbps Ethernet Multicast access channel provided in association with items 5.1 – 5.7. Requires an Ethernet port provided in association with items 5.1 – 5.7 or as additional port in item 5.23.	Monthly	\$5
5.12	Additional 10 Mbps Ethernet Multicast Access channel Service monthly Charge	Additional standard monthly rental for second 10 Mbps Ethernet Multicast Access channel provided in association with items 5.1 – 5.7. Service Provider must have purchased a 10 Mbps Ethernet Multicast access channel in 5.11 to purchase additional 10 Mbps Ethernet multicast access channel.	Monthly	\$2.50
5.13	GPON Bitstream additional 2.5 Mbps CIR down	Additional standard monthly rental for additional 2.5 Mbps CIR down provided in association with items 5.1 – 5.7 and items 5.31 – 5.33. Can be used to create additional Bitstream 2, Bitstream 3, or Bitstream 3a Service Templates using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly	\$1.25
5.14	GPON Bitstream additional 2.5 Mbps CIR up	Additional standard monthly rental for additional 2.5 Mbps CIR up provided in association with items 5.1 – 5.7 and items 5.31 – 5.33 Can be used to create additional Bitstream 2, Bitstream 3, or Bitstream 3a Service Templates using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly	\$2.50
5.15	GPON Bitstream additional 10 Mbps EIR down	Additional standard monthly rental for additional 10 Mbps EIR down provided in association with items 5.1 – 5.3 and items 5.31 – 5.32. Can be used to create additional Bitstream 2 Service Templates using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly	\$1.35

5.16	GPON Bitstream additional 10 Mbps EIR up	Additional standard monthly rental for additional 10 Mbps EIR up provided in association with items 5.1 – 5.3 and items 5.31 - 5.32. Can be used to create additional Bitstream 2 Service Templates using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly	\$2.70
5.17	P2P Bitstream additional 10 Mbps CIR symmetrical	Additional standard monthly rental for additional 10 Mbps CIR symmetrical provided in association with item 5.8 – 5.10 Can be used to create additional Bitstream 4 Service Templates using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly	\$10
5.18	P2P educational ** Bitstream additional 10 Mbps CIR symmetrical	Additional standard monthly rental for additional 10 Mbps CIR symmetrical provided in association with item 5.34 – 5.35. Can be used to create additional Bitstream 4 Service Templates using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly	\$5

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5.19	P2P Bitstream additional 100 Mbps EIR symmetrical	Additional standard monthly rental for additional 100 Mbps EIR symmetrical Can be used to create additional Bitstream 4 Service Templates using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly	\$10
5.20	Voice Services	Voice only service. (Greenfields only) Standard monthly rental. Cannot be provided with a Bitstream 2, Bitstream 3 or Bitstream 3A Service Template.	Monthly	\$25
5.21	Voice Services	Voice only service. (in Brownfields) Standard monthly rental. Cannot be provided with a Bitstream 2, Bitstream 3 or Bitstream 3A Service Template.	Monthly	\$29
5.22	Additional voice port	Additional standard monthly rental for additional voice port.	Monthly	\$15
5.23	Additional Ethernet port	Additional standard monthly rental for additional Ethernet port.	Monthly	\$10
5.24	WiFi port	Additional standard monthly rental for WiFi port. Requires an Ethernet port provided in association with items 5.1 – 5.7 or 5.23.	Monthly	\$2.50
5.25	Multicast ongoing fee	Outgoing charge per Mbps. Applies to Multicast domain(s) as described in section 3.4 of the Multicast Service Description. Items 5.11-5.12 will apply to each user connecting to the Multicast domain.	Monthly	\$1
5.26	Multicast ongoing fee	Outgoing charge per Mbps per OLT. Alternative Ethernet Multicast access price. Applies to Multicast domain. 5.11-5.12 do not apply.	Monthly	\$1

5.27	E-NNI port 1 Gbps Handover connection	Standard monthly rental.	Monthly	\$100
5.28	E-NNI port 10 Gbps Handover connection	Standard monthly rental.	Monthly	\$300
5.29	Layer Two Enhanced SLA 1	Additional standard monthly rental for enhanced service level provided in association with items 5.1 – 5.10	Monthly	\$25
5.30	Layer Two Enhanced SLA 2	Additional standard monthly rental for enhanced service level provided in association with items 5.1 – 5.10	Monthly	\$50
5.31	GPON Bitstream educational ** 30 Mbps down / 30 Mbps up with 10Mbps CIR symmetrical Service monthly Charge	Educational Bitstream 2 and 2a Template as per Bitstream 2 Service Description, section 3.4.4. Educational only standard monthly rental. Additional CIR / EIR options can be provided as described in items 5.13 – 5.16 using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly	\$50

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5.32	GPON Bitstream educational ** 50 Mbps down / 50 Mbps up with 10 Mbps CIR symmetrical Service Monthly Charge	Educational Bitstream 2 and 2a Template as per Bitstream 2 Service Description, section 3.4.4. Educational only standard monthly rental. Additional CIR / EIR options can be provided as described in items 5.13 – 5.16 using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly	\$58
5.33	GPON Bitstream educational ** 100 Mbps down / 100 Mbps up with 10 Mbps CIR symmetrical Service Monthly Charge	Educational Bitstream3A Template as per Bitstream3A Service Description, section 3.4.4. Educational only standard monthly rental. Standard monthly rental for 100 Mbps service with 10 Mbps symmetric High Priority CIR and 2.5 Mbps symmetric Low Priority CIR CIR options can be provided as described in item 5.13-5.14. Low Priority EIR is reduced as High Priority CIR is increased.	Monthly	\$117.86

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5.34	P2P Bitstream educational ** 100 Mbps down / 100 Mbps up with 10Mbps CIR symmetrical Service monthly Charge	Bitstream 4 Service as described in Bitstream 4 Service Description. Standard monthly rental for 100 Mbps service CIR can be provided as described in item 5.18	Monthly	\$200
5.35	P2P Bitstream educational ** 1 Gbps down / 1 Gbps up with 10 CIR symmetrical Service monthly Charge	Bitstream 4 Service as described in Bitstream 4 Service Description. Standard monthly rental for 1 Gbps service provided CIR can be provided as described in item 5.18	Monthly	\$283.57

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5.36	Priority User service route diversity	Diversity service to an End User that is a Priority User and within the diversity areas specified in the Service Description, comprising a separate diverse fibre from a common FAP at the End User premises to a single point of entry and OFDF at a single Central Office.	Monthly	\$750, or a charge equivalent to the monthly recurring fee for the most expensive Bitstream Service provided in respect of that End User at the relevant premises, whichever is the greater.
5.37	Priority User service route and entry point diversity	Diversity service to an End User that is a Priority User and within the diversity areas specified in the Service Description, comprising a separate diverse fibre from a separate FAP at the End User premises to a single point of entry and OFDF at a single Central Office	Monthly	\$1,500, or a charge equivalent to the monthly recurring fee for the most expensive Bitstream Service provided in respect of that End User at the relevant premises, whichever is the greater.
5.38	Priority User service route, entry point and Central Office diversity	Diversity service to an End User that is a Priority User and within the diversity areas specified in the Service Description, comprising a separate diverse fibre from a separate FAP at the End User premises to a separate point of entry and a separate OFDF at a single Central Office, or to a second Central Office	Monthly	POA.
5.39	GPON Bitstream 30 Mbps down /10 Mbps up with 2.5 Mbps symmetrical CIR with ATA port Service monthly Charge	Bitstream 2a Template as per Bitstream 2a Service Description, section 3.4.6. Residential only standard monthly rental. Additional CIR/EIR options can be provided as described in items 5.13 – 5.16 using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly	\$40.50
5.40	GPON Bitstream 100 Mbps down /20 Mbps up with 2.5 Mbps symmetrical CIR with ATA port Service monthly Charge	Bitstream 2a Template as per Bitstream 2a Service Description, section 3.4.6. Residential only standard monthly rental. Additional CIR options can be provided as described in items 5.13 – 5.14 using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly	\$45.00
5.41	GPON Bitstream 100 Mbps down /50 Mbps up with 2.5 Mbps symmetrical CIR with ATA port Service monthly Charge	Bitstream 2a Template as per Bitstream 2a Service Description, section 3.4.6. Standard monthly rental. Additional CIR options can be provided as described in items 5.13 – 5.14 using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly	\$50.00
5.42	GPON Bitstream 200 Mbps down / 20 Mbps up with 2.5 Mbps symmetrical CIR with ATA port Service monthly Charge	Bitstream 2a Template as per Bitstream 2a Service Description, section 3.4.6. Standard monthly rental. Additional CIR options can be provided as described in items 5.13 – 5.14 using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly	\$55.00
5.43	GPON Bitstream 100 Mbps down / 100 Mbps up with 2.5 Mbps symmetrical CIR with ATA port Service monthly Charge	Bitstream 2a Template as per Bitstream 2a Service Description, section 3.4.6. Standard monthly rental. Additional CIR options can be provided as described in items 5.13 – 5.14 using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly	\$55.00

5.44	GPON Bitstream 200 Mbps down / 100 Mbps up with 2.5 Mbps symmetrical CIR with ATA port Service monthly Charge	Bitstream 2a Template as per Bitstream 2a Service Description, section 3.4.6. Standard monthly rental. Additional CIR options can be provided as described in items 5.13 – 5.14 using the Product Development Process as per part 7 of the Bitstream Services Operations Manual	Monthly	\$60.00
5.45	GPON Bitstream 200 Mbps down / 200 Mbps up with 2.5 Mbps symmetrical CIR with ATA port Service monthly Charge	Bitstream 2a Template as per Bitstream 2a Service Description, section 3.4.6. Standard monthly rental. Additional CIR options can be provided as described in items 5.13 – 5.14 using the Product Development Process as per part 7 of the Bitstream Services Operations Manual	Monthly	\$65.00
5.46	GPON Bitstream 1000 Mbps down / 500 Mbps up with 2.5 Mbps symmetrical CIR with ATA port Service monthly Charge	Bitstream 2a Template as per Bitstream 2a Service Description, section 3.4.6. Residential only standard monthly rental. Additional CIR options can be provided as described in items 5.13 – 5.14 using the Product Development Process as per part 7 of the Bitstream Services Operations Manual	Monthly	\$60.00
5.47	GPON Bitstream 1000 Mbps down / 500 Mbps up with 2.5 Mbps symmetrical CIR with ATA port Service monthly Charge	Bitstream 2a Template as per Bitstream 2a Service Description, section 3.4.6. Business standard monthly rental. Additional CIR options can be provided as described in items 5.13 – 5.14 using the Product Development Process as per part 7 of the Bitstream Services Operations Manual	Monthly	\$75.00
5.48	GPON Bitstream educational ** 30 Mbps down / 30 Mbps up with 10Mbps CIR symmetrical Service monthly Charge	Educational Bitstream 2a Template as per Bitstream 2a Service Description, section 3.4.6. Educational only standard monthly rental. Additional CIR / EIR options can be provided as described in items 5.13 – 5.14 using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly	\$50
5.49	GPON Bitstream educational ** 50 Mbps down / 50 Mbps up with 10 Mbps CIR symmetrical Service Monthly Charge	Educational Bitstream 2a Template as per Bitstream 2a Service Description, section 3.4.6. Educational only standard monthly rental. Additional CIR / EIR options can be provided as described in items 5.13 – 5.14 using the Product Development Process as per part 7 of the Bitstream Services Operations Manual.	Monthly	\$58

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6 Direct Fibre Access Service

Service component		Description	Charge Invoiced	Charge
6.1	Direct Fibre Access Service Monthly Charge	Direct Fibre Access Service standard monthly rental.	Monthly	\$280
6.2	Layer One Enhanced SLA 1	Additional standard monthly rental for enhanced service level provided in association with item 6.1.	Monthly	\$25
6.3	Layer One Enhanced SLA 2	Additional standard monthly rental for enhanced service level provided in association with item 6.1.	Monthly	\$50
6.4	Layer One Enhanced SLA 3	Additional event critical care for enhanced service level provided in association with item 6.1.	Monthly	\$100
6.5	Priority User service route diversity	Diversity service to an End User that is a Priority User and within the diversity areas specified in the Service Description, comprising a separate diverse fibre from a common FAP at the End User premises to a single point of entry and OFDF at a single Central Office.	Monthly	\$750
6.6	Priority User service route and entry point diversity	Diversity service to an End User that is a Priority User and within the diversity areas specified in the Service Description, comprising a separate diverse fibre from a separate FAP at the End User premises to a single point of entry and OFDF at a single Central Office	Monthly	\$1,500
6.7	Priority User service route, entry point and Central Office diversity	Diversity service to an End User that is a Priority User and within the diversity areas specified in the Service Description, comprising a separate diverse fibre from a separate FAP at the End User premises to a separate point of entry and a separate OFDF at a single Central Office, or to a second Central Office	Monthly	POA

7 Co-location Service

Service component		Description	Charge Invoiced	Charge
7.1	Central Office and POI Co-location Service Footprint monthly Charge	Central Office and POI Co-location Service 600 x 400 footprint standard monthly rental Central Office classification in Operations Manual	Monthly	\$1500
7.2	Central Office and POI Co-location Service Full Rack monthly Charge	Central Office and POI Co-location Service 600(w) x 800(d) x 2200(h) mm ETSI rack with a lockable door	Monthly	\$1500
7.3	Central Office and POI Co-location Service Half Rack monthly Charge	Central Office and POI Co-location Service being half a 600(w) x 800(d) x 2200(h) ETSI rack with two lockable doors	Monthly	\$900
7.4	Central Office and POI Co-location Service Quarter Rack monthly Charge	Central Office and POI Co-location Service being quarter a 600(w) x 800(d) x 2200(h) ETSI rack with a lockable door	Monthly	\$600

8 Fibre Interconnection Services

Service component		Description	Charge Invoiced	Charge
8.1	Fibre Patch Service	Fibre patch service to connect a Direct Fibre Access Service to another Direct Fibre Access Service or to connect to an inter CO Fibre Service	Monthly	\$5
8.2	Inter CO Fibre Service between Group A COs	Inter CO Fibre service to provide connection of Direct Fibre Access Services on a Group A Central Office to another Group A Central Office, standard monthly rental.	Monthly	\$90
8.3	Inter CO Fibre Diversity between Group A COs	Diversity comprising a separate diverse instance of the Inter CO Fibre Service between single points of entry to to each of two Group A Central Offices.	Monthly	\$750
8.4	Inter CO Fibre Diversity and entry point diversity between Group A COs	Diversity comprising a separate diverse instance of the Inter CO Fibre Service between two Group A Central Offices. Separate points of entry will be provided at each Central Office.	Monthly	\$1500
8.5	Fibre Interconnection Service Enhanced SLA 1	Additional standard monthly rental for enhanced service level provided in association with items 8.1 and 8.2.	Monthly	\$25
8.6	Fibre Interconnection Service Enhanced SLA 2	Additional standard monthly rental for enhanced service level provided in association with items 8.1 and 8.2.	Monthly	\$50
8.7	Fibre Interconnection Service Enhanced SLA 3	Additional event critical care for enhanced service level provided in association with items 8.1 and 8.2.	Monthly	\$100

APPENDIX 3 – ANCILLARY CHARGES

9 Table A – UFB CFH Ancillary Charges

Service component		Description	Charge invoiced	Charge
9.1	New Connection or plan change with no site visit required	Establishment of a new service over existing fibre or change to configuration of an existing instance of the Wholesale Service. This charge does not apply to establishment of a new service on existing fibre where there was no Connection fee for the original Residential Connection.	Following notification by the LFC of completion of Service Order	<p>Charge equivalent to 1 month's recurring fee for the new service.</p> <p>In the case of a new connection the charge may not exceed the Transactional Charge that would be payable to establish the service instance if an installation was required.</p>
9.2	Non standard lead-in for new connection of Bitstream Services and Direct Fibre Services	Additional charge for premise lead-in connections that exceed that Standard Install distance specified in the Operations Manual.	Will be charged for a non standard install with approval from the retailer following the completion of the service order	<p>\$22.79 per additional UG metre</p> <p>\$159.04 per additional OH span</p> <p>\$8.80 per additional internal metre (Premise)</p> <p>\$60.50 labour rate for jobs outside schedule rates</p>
9.3	MDU internal reticulation.	MDU installation will require provision of backbone cabling in an MDU to extend the Fibre Lead in to the End-User Tenancy (including vertical riser cabling or horizontal building reticulation) as agreed with Service Provider and building owner or their agents. This item recovers the additional cost (if any) for installation of the backbone cable over the standard contribution the LFC provides.	Following notification by the LFC of completion of Service Order	<p>Time & materials subject to following rules:</p> <p>Based on an hourly rate of \$106 per hour for design and an hourly rate of \$90 per hour for installation plus material costs</p> <p>In respect of each MDU, the LFC will contribute, at its own cost, MDU internal reticulation services (time and materials) equal to the value of \$1000 multiplied by the number of individual tenancies in the MDU (the LFC Contribution).</p> <p>The LFC will only charge for MDU internal reticulation services which exceed the LFC Contribution.</p>
9.4	Provision of Priority User service route, entry point and Central Office diversity	Provision of diversity to an End User that is a Priority User and within the diversity areas specified in the Service Description, comprising a separate diverse fibre from a separate FAP at the End User premises to a separate point of entry and a separate OFDF at a single Central Office, or to a second Central Office, which may also include construction of a diverse duct and cabling route from premises to separate points of entry and separate OFDFs at a single Central Office, or to a second Central Office.	Following notification by the LFC of completion of Service Order	<p>POA - time & materials.</p> <p>Based on an hourly rate of \$106 per hour for design and an hourly rate of \$90 per hour for installation plus material cost.</p>
9.5	No fault found	Fixed charge for fault call that is closed "no LFC fault found".	Following completion of fault investigation	<p>\$104.83 – Truck roll</p> <p>\$40 – no truck roll req.</p>

9.6	Inability to complete request.	<p>Fixed charge for work that cannot be completed either because:</p> <ul style="list-style-type: none"> of cancellation by Service Provider or End User after order has been passed to service company, or where access cannot be gained to End Users site at the agreed time where visit is required to deliver UFB Service, <p>for a reason not caused by the LFC. This charge will not apply where access was prevented by a Force Majeure event.</p>	Following site visit or cancellation	<p>\$170</p> <p>Based on two hours of service company installer at \$85 per hour</p>
9.7	Service Provider Operational Readiness Programme: testing, training and consultation.	As part of the Operational Readiness Programme, the first 50 hours training and 25 hours of testing and consultation are provided free of charge. Additional training initially or later will be at indicated price.	Following notification by the LFC of completion of Service Order	<p>Time & materials</p> <p>Interoperability testing \$150 per hour</p> <p>Training \$99.70 per hour plus actual travel costs (as applicable the costs of airplane flights, public transport fares, taxi fares and standard mileage rates for motor vehicles as published by Inland Revenue) to Service Provider's site.</p>
9.8	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	<p>Time & materials</p> <p>Training \$99.70 per hour plus actual travel costs (as applicable the costs of airplane flights, public transport fares, taxi fares and standard mileage rates for motor vehicles as published by Inland Revenue) to Service Provider's site.</p>
9.9	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	<p>Time & materials</p> <p>Interoperability testing and consultation \$150 per hour plus materials</p>
9.10	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	<p>Time and materials</p> <p>Based on an hourly rate of \$85 per hour plus material cost</p>
9.11	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	<p>Time and materials</p> <p>Based on an hourly rates of:</p> <p>Office resource \$99.70 Field technician \$85 Central Office technician \$90</p> <p>plus material cost</p>
9.12	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	<p>Time and materials</p> <p>Based on an hourly rates of:</p> <p>Office resource \$99.70 Field technician \$85 Central Office technician \$90</p> <p>plus material cost</p>

9.13	Bitstream transfer layer one change	The change in termination of a fibre on the MOFDF on request or to transfer of the Bitstream Service connected to an End User's premises from one Service Provider to another, as authorised by the End User.	Following notification by the LFC of completion of Service Order	Time and materials Based on an hourly rate of \$85 per hour plus materials at cost
9.14	Bitstream transfer layer two change	The transfer of the Bitstream Service connected to an End User's Premises from one Service Provider to another, as authorised by the End User by change of port mapping.	Following notification by the LFC of completion of Service Order	\$24.93
9.15	Bitstream Relinquishment	Where the Service Provider terminates supply of the Bitstream 2, 3, 3a or 4 Service in respect of a particular End User. This entails LFC updating its records and billing. LFC may either physically disconnect the Bitstream Service at any point between the exchange and the End User's Premises or leave the Bitstream Service circuit intact.	Following notification by the LFC of completion of Service Order	Early Termination Charge (if any) in accordance with section 4 in the Price List
9.16	Access re-mapping fee.	Design and reconfiguration of affected network elements to map existing Bitstream Service connections to a new Handover Point.	Following notification by the LFC of completion of Service Order	POA - time and materials Basis for determining the charge is the estimated equipment, time and materials incurred to design and implement a re-mapping including network rebuild design and systems changes.
9.17	NBAP new Connection	The establishment of a new service instance of a Bitstream Service or the Direct Fibre Access Service at an NBAP.	Following notification by the LFC of completion of Service Order	Time and materials Based on an hourly rate of \$85 per hour plus material cost
9.18	Direct Fibre Access transfer	The change in termination of a fibre on the MOFDF on request or to transfer the Direct Fibre Access Service connected to an End User's premises from one Service Provider to another.	Following notification by the LFC of completion of Service Order	Time and materials Based on an hourly rate of \$85 per hour plus material cost
9.19	Direct Fibre Access Service Relinquishment	Where the Service Provider terminates supply of the Direct Fibre Access Service in respect of a particular Service Provider's End User. This entails LFC updating its records and billing. LFC may either physically disconnect the Direct Fibre Access Service at any point between the exchange and the End User's premises or leave the Direct Fibre Access Service circuit intact.	Following notification by the LFC of completion of Service Order	Early Termination Charge (if any) in accordance with section 4 in the Price List
9.20	Co-location space construction	<p>Set up of a new instance of, or change to, Central Office and POI Co-location Service.</p> <p>The set up of a new co-location site for Service Provider will vary for each exchange and will include the following components:</p> <ul style="list-style-type: none"> - Power feeds enhancement (DC) - Air conditioning enhancement - Seismic rack mounts - Cable tray and rack construction - Exchange manhole breakout - 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. 	Following notification by the LFC of completion of Service Order	Time & materials Based on an hourly rate of \$106 per hour for design and an hourly rate of \$90 per hour for installation plus material cost.

9.21	Tie Cable installation	Charge for the LFC installing the optic fibre tie cable pairs used to connect the block or splice tray on the LFC's MOFDF and either the Service Provider's footprint or the network cable to remotely located Service Provider Equipment, including cable trays and other associated infrastructure. (See full requirements in the Operations Manual.)	Following notification by the LFC of completion of Service Order	Set up charge plus time and materials Based on a set up charge of \$184 plus an hourly rate of \$90 per hour plus material cost
9.22	Co-location accreditation training	Co-location unaccompanied access accreditation training (including the provision of an access card)	Following notification by the LFC of completion of training	\$250.00/participant This fixed fee is calculated based on a 2 hour course duration with a skilled trainer (cost \$99.70 per hour) plus course materials.
9.23	Tie Cable change or re-termination	A fibre change or re-termination requiring the changing of splice/connector change at the MOFDF to effect a port change.	Following completion of re-termination	Time Based on an hourly rate of \$62 per hour
9.24	Fixing fault where Service Provider has no right of access	Charge for fixing of fault by the LFC, at Service Provider's request, where Service Provider is responsible for the fault, but has no right of access.	On completion of fault rectification	Set up charge plus time and materials Based on a set up charge of \$184 plus an hourly rate of \$90 per hour plus material cost
9.25	Central Office and POI Co-location Service Relinquishment	Where the Service Provider terminates supply of the Central Office and POI Co-location Service in respect of a particular Central Office. This entails LFC updating its records and billing.	Following notification by the LFC of completion of Service Order	Early Termination Charge (if any) in accordance with section 4 in the Price List
9.26	Internal removal	Relocation of a service instance of a Bitstream Service or a Direct Fibre Access Service at a Premises (i.e. there is no UFB transfer).	Following notification by the LFC of completion of Service Order	\$365 for Business Connection being half install cost \$145 for a Residential Connection
9.27	Change of ONT or NID	The additional charge to change the ONT or NID associated with an existing service instance of the Bitstream Service at a Premises where required to provide a new or changed service e.g. ATA voice, Ethernet or WiFi.	Following notification by LFC of completion of Service Order	\$100.00
9.28	Central Office and POI Co-location Service power monthly Charge	Central Office and POI Co-location Service power monthly rental Central Office classification in Operations Manual	Monthly	Table below

DC Circuit Breaker		AC Circuit Breaker			
		Not UPS Supported		UPS - Supported	
DC Fuse Size	Price	AC Circuit Size Breaker AMP Size	Price	AC Circuit Size Breaker AMP Size	Price
6	\$ 40.00	1	\$ 26.00	1	\$ 30.00
10	\$ 65.00	2	\$ 55.00	2	\$ 60.00
16	\$ 105.00	3	\$ 80.00	3	\$ 85.00
20	\$ 135.00	4	\$ 105.00	4	\$ 110.00
25	\$ 165.00	5	\$ 130.00	5	\$ 140.00
32	\$ 210.00	6	\$ 160.00	6	\$ 170.00
40	\$ 265.00	7	\$ 185.00	7	\$ 195.00
48	\$ 315.00	8	\$ 210.00	8	\$ 225.00
50	\$ 330.00	9	\$ 235.00	9	\$ 250.00
63	\$ 415.00	10	\$ 260.00	10	\$ 280.00

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

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

Service component	Description	Charge invoiced	Charge
10.1 Non standard provision of diversity	Provision of diversity to an End User that is not a Priority User or outside the diversity areas specified in the Service Description may also include diverse entry from FAP to OFDF, diverse entry to Central Office and construction of a diverse duct and cabling route from premises to Central Office.	Following notification by the LFC of completion of Service Order	Time & materials Based on an hourly rate of \$106 per hour for design and an hourly rate of \$85 per hour for installation plus material cost.
10.2 Coordinated installation or transfer	Project management of special installations or transfers (if request is cancelled costs to date will be billed).	Following notification by the LFC of completion of Service Order	\$99.70 per hour
10.3 Truck roll if not already on site	Chargeable cost for truck roll associated with installation activities outside the scheduled initial fibre installation visit.	Following notification by the LFC of completion of Service Order	\$65 per visit
10.4 Connect RSP residential or SME gateway (RGW)	Connect RSP supplied and configured RGW to the ONT and verify status of lights. Cabling between RGW and ONT is provided by the RSP or EU.	Following notification by the LFC of completion of Service Order	\$13.00 per connection
10.5 Connect RSP residential or SME gateway (RGW) and test internet and voice	As per 10.4 plus completion of internet speed test using contractor laptop, show result to EU. Test voice service works via RGW. If required make an activation call of less than 5min to pre-agreed RSP call centre. Neither option includes additional time for RSP related issues or delays with the activation call.	Following notification by the LFC of completion of Service Order	\$28.20 per connection
10.6 Service activation call over 5 minutes	Extension of time over the 5 minutes allowed in 10.5.	Following notification by the LFC of completion of Service Order	\$7.10 per 5 minutes
10.7 Standard voice outlet testing	Testing of existing standard voice outlets to verify they are working correctly. Does not include any repairs or changes to wiring.	Following notification by the LFC of completion of Service Order	\$3.80 per outlet
10.8 Install 1 st Set Top Box	Connect a residential STB at the time of UFB circuit install or in association with a Truck Roll charge. Assumes all equipment including HDMI and Ethernet cables are provided on site and a maximum distance of 1m from ONT/RGW. Does not include fault finding if the STB or layer 3 connectivity are not operating correctly.	Following notification by the LFC of completion of Service Order	\$90
10.9 Install 2 nd Set Top Box	Simple wiring extension for a second STB at the time of UFB circuit install or in association with a Truck Roll charge. Assumes all STB equipment is provided on site by the RSP. Cabling is surface mounted or under floor. Does not include fault finding if the STB or Layer 3 connectivity are not operating correctly.	Following notification by the LFC of completion of Service Order	\$125
10.10 Intercept first copper voice line at an SME address.	Intercept the 1st copper voice line in a small business premise and connect to the RGW or ONT voice port. Only available at the time of initial fibre service connection.	Following notification by the LFC of completion of Service Order	\$92.50
10.11 Intercept 2 nd copper voice line at an SME address	Intercept a 2nd copper voice line and connect to the RGW or ONT voice port. Assumes this is done in conjunction with 1st line as per 10.10.	Following notification by the LFC of completion of Service Order	\$45