

BT Wholesale Catalogue

BT Wholesale Catalogue
Current Cost Financial Statements 2006

BT Wholesale Catalogue

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Service: <i>Wholesale residential analogue internal service connections</i>
Market: <i>Wholesale residential analogue exchange line services</i>
Market review: <i>Fixed narrowband wholesale exchange line, call origination, conveyance & transit.</i>
Service Offering: <i>Connection of narrowband Residential ordinary and Featureline exchange line(s) within defined service parameters.</i> <i>Includes:</i> <i>a) All direct engineering activity and commissioning to complete connection to the customer premises, including line testing, from the Local Exchange concentrator;</i> <i>b) Engineering and network support activity;</i> <i>c) Sales General & Administration.</i>
Customer(s): <i>BT Retail</i>
Price list entry: <i>Section 36, Part 3 (Wholesale Service Provider Price List)</i> http://www.btwholesale.com/pricing

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Service: <i>Wholesale residential analogue internal service rentals</i>
Market: <i>Wholesale residential analogue exchange line services</i>
Market review: <i>Fixed narrowband wholesale exchange line, call origination, conveyance & transit.</i>
Service Offering: <i>Rental, repair and maintenance of narrowband Residential ordinary and Featureline exchange line(s) within defined service parameters.</i> <i>Includes:</i> <ul style="list-style-type: none"><i>a) All direct engineering activity to complete maintenance to the customer premises from the local exchange concentrator</i><i>b) Engineering and network support activity</i><i>c) Reactive & preventative maintenance including line testing & fault handling</i><i>d) Sales, General & Administration</i><i>e) Usage of capital equipment required to make the physical connection from the customers premises to the local exchange concentrator (NTE, dropwire, D-side and E-side cabling, main distribution frame and line card)</i>
Customer(s): <i>BT Retail</i>
Price list entry: <i>Section 36, Part 3 (Wholesale Service Provider Price List)</i> http://www.btwholesale.com/pricing

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Service: <i>Wholesale residential external service rentals</i>
Market: <i>Wholesale residential analogue exchange line services</i>
Market review: <i>Fixed narrowband wholesale exchange line, call origination, conveyance & transit.</i>
Service Offering: <i>Rental, repair and maintenance of narrowband Residential ordinary and Featureline exchange line(s) within defined service parameters.</i> <i>Includes:</i> <ul style="list-style-type: none"><i>a) All direct engineering activity to complete maintenance to the customer premises from the local exchange concentrator</i><i>b) Engineering and network support activity</i><i>c) Reactive & preventative maintenance including line testing & fault handling</i><i>d) Sales, General & Administration</i>
Customer(s): <i>Service Providers</i>
Price list entry: <i>Section 36, Part 3 (Wholesale Service Provider Price List)</i> http://www.btwholesale.com/pricing

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Service: <i>Wholesale business analogue internal service connections</i>
Market: <i>Wholesale business analogue exchange line services</i>
Market review: <i>Fixed narrowband wholesale exchange line, call origination, conveyance & transit.</i>
Service Offering: <i>Connection of narrowband Business ordinary and Featureline exchange line(s) within defined service parameters.</i> <i>Includes:</i> <i>a) All direct engineering activity and commissioning to complete connection to the customer premises, including line testing, from the local exchange concentrator</i> <i>b) Engineering and network support activity</i> <i>c) Sales, General & Administration</i>
Customer(s): <i>BT Retail</i>
Price list entry: <i>Section 36, Part 3 (Wholesale Service Provider Price List)</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: <i>Wholesale business analogue internal service rentals</i>
Market: <i>Wholesale business analogue exchange line services</i>
Market review: <i>Fixed narrowband wholesale exchange line, call origination, conveyance & transit.</i>
Service Offering: : <i>Rental, repair and maintenance of narrowband business ordinary and Featureline exchange line(s) within defined service parameters.</i> <i>Includes:</i> <ul style="list-style-type: none"><i>a) All direct engineering activity and to complete maintenance to the customer premises from the local exchange concentrator</i><i>b) Engineering and network support activity</i><i>c) Reactive & preventative maintenance including line testing & fault handling</i><i>d) Sales, General & Administration</i><i>e) Usage of capital equipment required to make the physical connection from the customers premises to the local exchange concentrator (NTE, dropwire, D-side and E-side cabling, main distribution frame and line card)</i>
Customer(s): <i>BT Retail</i>
Price list entry: <i>Section 36, Part 3 (Wholesale Service Provider Price List)</i> http://www.btwholesale.com/pricing

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Service: <i>Wholesale business analogue internal service takeovers</i>
Market: <i>Wholesale business analogue exchange line services</i>
Market review: <i>Fixed narrowband wholesale exchange line, call origination, conveyance & transit.</i>
Service Offering: <i>Takeover of previously stopped exchange lines.</i> <i>Includes:</i> <i>a) Instances of where SP's request a new provision but BT can start a previously stopped line.</i>
Customer(s): <i>BT Retail</i>
Price list entry: <i>Section 36, Part 3 (Wholesale Service Provider Price List)</i> http://www.btwholesale.com/pricing

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Service: <i>Wholesale business external service rentals</i>
Market: <i>Wholesale residential analogue exchange line services</i>
Market review: <i>Fixed narrowband wholesale exchange line, call origination, conveyance & transit.</i>
Service Offering: <i>Rental, repair and maintenance of narrowband business ordinary and Featureline exchange line(s) within defined service parameters.</i> <i>Includes:</i> <ul style="list-style-type: none"><i>c) All direct engineering activity to complete maintenance to the customer premises from the Local Exchange concentrator</i><i>d) Engineering and network support activity</i><i>e) Reactive & preventative maintenance including line testing & fault handling</i><i>f) Sales, General & Administration</i>
Customer(s): <i>Service Providers</i>
Price list entry: <i>Section 36, Part 3 (Wholesale Service Provider Price List)</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: <i>Wholesale business analogue external service connections</i>
Market: <i>Wholesale business analogue exchange line services</i>
Market review: <i>Fixed narrowband wholesale exchange line, call origination, conveyance & transit.</i>
Service Offering: <i>Connection of narrowband Business ordinary and Featureline exchange line(s) within defined service parameters.</i> <i>Includes:</i> <ul style="list-style-type: none"><i>a) All direct engineering activity and commissioning to complete connection to the customer premises from the Local Exchange concentrator</i><i>b) Engineering and network support activity</i><i>c) Order handling and progression</i><i>d) Sales, General & Administration</i>
Customer(s): <i>Service Providers</i>
Price list entry: <i>Section 36, Part 3 (Wholesale Service Provider Price List)</i> http://www.btwholesale.com/pricing

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Service: <i>Wholesale business analogue external service transfers</i>
Market: <i>Wholesale business analogue exchange line services</i>
Market review: <i>Fixed narrowband wholesale exchange line, call origination, conveyance & transit.</i>
Service Offering: <i>Transfer between Service Providers of a business analogue exchange line(s) service within defined service parameters.</i> <i>Includes:</i> <i>a) All direct engineering activity to complete transfer of the line from SP to SP.</i> <i>b) Engineering and network support activity</i> <i>c) Sales, General & Administration</i>
Customer(s): <i>Service Providers</i>
Price list entry: <i>Section 36, Part 4 (Wholesale Service Provider Price List)</i> http://www.btwholesale.com/pricing

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Service: <i>Wholesale business ISDN2 internal service connections</i>
Market: <i>Wholesale business ISDN2 exchange line services</i>
Market review: <i>Fixed narrowband wholesale exchange line, call origination, conveyance & transit.</i>
Service Offering: <i>Connection of ISDN2 business exchange line(s) within defined service parameters. ISDN2 is a digital service that transforms the existing phone line by splitting its capacity into 2 channels allowing dual access.</i> <i>Includes:</i> <i>a) All direct engineering activity and commissioning to complete connection to the customer premises, including line testing, from the Local Exchange concentrator</i> <i>b) Engineering and network support activity</i> <i>c) Sales, General & Administration</i>
Customer(s): <i>BT Retail</i>
Price list entry: <i>Section 36, Part 4 (Wholesale Service Provider Price List)</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: <i>Wholesale business ISDN2 internal service rentals</i>
Market: <i>Wholesale business ISDN2 exchange line services</i>
Market review: <i>Fixed narrowband wholesale exchange line, call origination, conveyance & transit.</i>
Service Offering: <i>Rental, repair and maintenance of ISDN2 business exchange line(s) within defined service parameters. ISDN2 is a digital service that transforms the existing phone line by splitting its capacity into 2 channels allowing dual access.</i> <i>Includes:</i> <ul style="list-style-type: none"><i>a) All direct engineering activity to complete maintenance to the customer premises from the Local Exchange concentrator</i><i>b) Engineering and network support activity</i><i>c) Reactive & preventative maintenance including line testing & fault handling</i><i>d) Sales, General & Administration</i><i>e) Usage of capital equipment required to make the physical connection from the customers premises to the local exchange concentrator (NTE, dropwire, D-side and E-side cabling, main distribution frame and line card)</i>
Customer(s): <i>BT Retail</i>
Price list entry: <i>Section 36, Part 4 (Wholesale Service Provider Price List)</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: <i>Wholesale business ISDN2 internal service takeovers</i>
Market: <i>Wholesale business ISDN2 exchange line services</i>
Market review: <i>Fixed narrowband wholesale exchange line, call origination, conveyance & transit.</i>
Service Offering: <i>Takeover of previously stopped exchange lines.</i> <i>Includes:</i> <i>a) Instances of where SP's request a new provision but BT can start a previously stopped line.</i>
Customer(s): <i>BT Retail</i>
Price list entry: <i>Section 36, Part 4 (Wholesale Service Provider Price List)</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: <i>Wholesale business ISDN2 external service connections</i>
Market: <i>Wholesale business ISDN2 exchange line services</i>
Market review: <i>Fixed narrowband wholesale exchange line, call origination, conveyance & transit.</i>
Service Offering: <i>Connection of ISDN2 business exchange line(s) within defined service parameters. ISDN2 is a digital service that transforms the existing phone line by splitting its capacity into 2 channels allowing dual access.</i> <i>Includes:</i> <ul style="list-style-type: none"><i>a) All direct engineering activity and commissioning to complete connection to the customer premises from the Local Exchange concentrator</i><i>b) Engineering and network support activity</i><i>c) Order handling and progression</i><i>d) Sales, General & Administration</i>
Customer(s): <i>Service Providers</i>
Price list entry: <i>Section 36, Part 4 (Wholesale Service Provider Price List)</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: <i>Wholesale business ISDN2 external service rentals</i>
Market: <i>Wholesale business ISDN2 exchange line services</i>
Market review: <i>Fixed narrowband wholesale exchange line, call origination, conveyance & transit.</i>
Service Offering: <i>Rental, repair and maintenance of ISDN2 business exchange line(s) within defined service parameters. ISDN2 is a digital service that transforms the existing phone line by splitting its capacity into 2 channels allowing dual access.</i> <i>Includes:</i> <i>a) All direct engineering activity to complete maintenance to the customer premises from the Local Exchange concentrator</i> <i>b) Engineering and network support activity</i> <i>c) Reactive & preventative maintenance including line testing & fault handling</i> <i>d) Sales, General & Administration</i>
Customer(s): <i>Service Providers</i>
Price list entry: <i>Section 36, Part 4 (Wholesale Service Provider Price List)</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: <i>Wholesale business ISDN2 external service transfers</i>
Market: <i>Wholesale business ISDN2 exchange line services</i>
Market review: <i>Fixed narrowband wholesale exchange line, call origination, conveyance & transit.</i>
Service Offering: <i>Transfer between Service Providers of an ISDN2 business exchange line(s) within defined service parameters. ISDN2 is a digital service that transforms the existing phone line by splitting its capacity into 2 channels allowing dual access.</i> <i>Includes:</i> <i>a) All direct engineering activity to complete transfer of the line(s) from SP to SP</i> <i>b) Engineering and network support activity</i> <i>c) Sales, General & Administration</i>
Customer(s): <i>Service Providers</i>
Price list entry: <i>Section 36, Part 4 (Wholesale Service Provider Price List)</i> http://www.btwholesale.com/pricing

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Service: Wholesale call originating local exchange segment PSTN and ISDN (excl Operator Assistance)

Market: Call origination on fixed public narrowband networks

Market review: Fixed narrowband wholesale exchange line, call origination, conveyance & transit.

Service Offering:

Call duration for a call originating on a BT exchange line to the Local Exchange switch based on a pence per minute cost.

Includes call set – up (establishing a network end to end path) and call duration (holding the path open for the time the link is open) and utilises the following elements; Concentrator, Local Exchange switching, Remote to Local Transmission Link & Length.

Also includes :

- a) Engineering and network support activity.
- b) Reactive and preventative maintenance including testing and fault handling.
- c) Billing Systems

Customer(s): BT Retail and Other Communication Providers

Price list entry: Note prices depend on the actual product e.g., Indirect Access, Local calls etc. Relevant sections of the Wholesale Carrier Price list are:

Section B1 - Telephony

Section B3 - Ancillary Service

Section C5.2 – Call Origination Basket

(<http://www.btwholesale.com/pricing>)

BT Wholesale Catalogue

Service: <i>Wholesale call originating local exchange segment (incl Operator Assistance)</i>
Market: <i>Call origination on fixed public narrowband networks</i>
Market review: <i>Fixed narrowband wholesale exchange line, call origination, conveyance & transit.</i>
Service Offering: <i>Call duration for a call originating on a BT exchange line to the Local Exchange switch based on a pence per minute cost.</i> <i>Includes call set – up (establishing a network end to end path) and call duration (holding the path open for the time the link is open) and utilises the following elements; Concentrator, Local Exchange switching, Remote to Local Transmission Link & Length.</i> <i>Also includes :</i> <i>a) Operator assistance and 999 calls.</i> <i>b) Engineering and network support activity.</i> <i>c) Reactive and preventative maintenance including testing and fault handling.</i> <i>d) Billing systems.</i>
Customer(s): <i>BT Retail and Other Communication Providers</i>
Price list entry: <i>Note prices depend on the actual product e.g., Indirect Access, Local calls etc. Relevant sections of the Wholesale Carrier Price list are:</i> <i>Section B1 - Telephony</i> <i>Section B3 - Ancillary Service</i> <i>Section C5.2 – Call Origination Basket</i> <i>(http://www.btwholesale.com/pricing)</i>

BT Wholesale Catalogue

Service: <i>Wholesale call originating local exchange segment (ISDN) (incl Operator Assistance)</i>
Market: <i>Call origination on fixed public narrowband networks</i>
Market review: <i>Fixed narrowband wholesale exchange line, call origination, conveyance & transit.</i>
Service Offering: <i>Call duration for a call using ISDN (Integrated Service Digital Network) originating on a BT exchange line to the Local Exchange switch based on a pence per minute cost.</i> <i>Includes call set – up (establishing a network end to end path) and call duration (holding the path open for the time the link is open) and utilises the following elements; Concentrator, Local Exchange switching, Remote to Local Transmission Link & Length.</i> <i>Also includes :</i> <ul style="list-style-type: none"><i>a) Operator assistance and 999 calls.</i><i>b) Engineering and network support activity.</i><i>c) Reactive and preventative maintenance including testing and fault handling.</i><i>d) Billing systems.</i>
Customer(s): <i>BT Retail and Other Communication Providers</i>
Price list entry: <i>Note prices depend on the actual product e.g., Indirect Access, Local calls etc. Relevant sections of the Wholesale Carrier Price list are:</i> <i>Section B1 - Telephony</i> <i>Section B3 - Ancillary Service</i> <i>Section C5.2 – Call Origination Basket</i> http://www.btwholesale.com/pricing

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Service: <i>Wholesale call origination local exchange stick</i>
Market: <i>Call origination on fixed public narrowband networks</i>
Market review: <i>Fixed narrowband wholesale exchange line, call origination, conveyance & transit.</i>
Service Offering: <i>Call Duration for a call originating from a Local Exchange and conveying it to another Local Exchange based on a pence per minute cost. Is applicable only for BT to BT calls.</i> <i>Utilises the Remote Concentrator to Local Exchange Transmission Link and Length components.</i> <i>Also includes :</i> <i>a) Engineering and network support activity.</i> <i>b) Reactive and preventative maintenance including testing and fault handling.</i> <i>c) Sales, General & Admin.</i>
Customer(s): <i>BT Retail</i>
Price list entry: <i>Note prices depend on the actual product e.g, Indirect Access, Local calls etc. Relevant sections of the Wholesale Carrier Price list are:</i> <i>Section B1 - Telephony</i> <i>Section B3 - Ancillary Service</i> <i>Section C5.2 – Call Origination Basket</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: <i>Wholesale call origination local exchange stick (ISDN)</i>
Market: <i>Call origination on fixed public narrowband networks</i>
Market review: <i>Fixed narrowband wholesale exchange line, call origination, conveyance & transit.</i>
Service Offering: <i>Call Duration for an ISDN (Integrated Service Digital Network) call originating from a Local Exchange and conveying it to another Local Exchange based on a pence per minute cost. Is applicable only for BT to BT calls.</i> <i>Utilises the Remote Concentrator to Local Exchange Transmission Link and Length components.</i> <i>Also includes :</i> <i>a) Engineering and network support activity.</i> <i>b) Reactive and preventative maintenance including testing and fault handling.</i> <i>c) Sales, General & Admin.</i>
Customer(s): <i>BT Retail</i>
Price list entry: <i>Note prices depend on the actual product e.g. Indirect Access, Local calls etc. Relevant sections of the Wholesale Carrier Price list are:</i> <i>Section B1 - Telephony</i> <i>Section B3 - Ancillary Service</i> <i>Section C5.2 – Call Origination Basket</i> http://www.btwholesale.com/pricing

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Service: <i>Wholesale local exchange call origination circuit excluding Flat Rate Internet Access Customer Origination (FRIACO) port</i>
Market: <i>Call origination on fixed public narrowband networks</i>
Market review: <i>Fixed narrowband wholesale exchange line, call origination, conveyance & transit.</i>
Service Offering: <i>FRIACO is a per port charge to another operator for access to internet at a fixed rate</i> <i>Call duration for an internet access call originating a BT exchange line up to and including the Local Exchange switching expressed as a cost per 64k circuit.</i> <i>Includes call set – up (establishing a network end to end path) and call duration (holding the path open for the time the link is open) and contains the following elements; 64k circuit at the Concentrator, 64k circuit at the Local Exchange, 64k circuit Remote to Local Transmission Link & Length.</i> <i>Also includes :</i> <i>a) Engineering and network support activity.</i> <i>b) Reactive and preventative maintenance including testing and fault handling.</i> <i>c) Sales, General & Admin.</i>
Customer(s): <i>BT Retail and Other Communication Providers</i>
Price list entry: <i>Note prices depend on the actual product e.g. Indirect Access, Local calls etc. Relevant sections of the Wholesale Carrier Price list are:</i> <i>Section B1 - Telephony</i> <i>Section B3 - Ancillary Service</i> <i>Section C5.2 – Call Origination Basket</i> <i>(http://www.btwholesale.com/pricing)</i>

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Service: <i>Wholesale FRIACO port at the local exchange</i>
Market: <i>Call origination on fixed public narrowband networks</i>
Market review: <i>Fixed narrowband wholesale exchange line, call origination, conveyance & transit.</i>
Service Offering: <i>FRIACO is a per port charge to another operator for access to internet at a fixed rate</i> <i>Provision of a dedicated 2mb circuit from, and including, a switch port on the network side of the local exchange to a main exchange switching site.</i> <i>Also includes :</i> <i>a) Engineering and network support activity.</i> <i>b) Reactive and preventative maintenance including testing and fault handling.</i> <i>c) Sales, General & Admin.</i>
Customer(s): <i>BT Retail and Other Communication Providers</i>
Price list entry: <i>Section B3.40</i> http://www.btwholesale.com/pricing

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Service: <i>Wholesale PPP for FRIACO</i>
Market: <i>Call origination on fixed public narrowband networks</i>
Market review: <i>Fixed narrowband wholesale exchange line, call origination, conveyance & transit.</i>
Service Offering: <i>FRIACO is a per port charge to another operator for access to internet at a fixed rate.</i> <ul style="list-style-type: none">• <i>This service is the Product Management, Policy and Planning (PPP) for Flat Rate Internet Access Customer Originated.</i>
Customer(s): <i>BT Retail and Other Communication Providers</i>
Price list entry: <i>Section B3.40</i> (http://www.btwholesale.com/pricing)

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Service: <i>Wholesale PPP</i>
Market: <i>Call origination on fixed public narrowband networks</i>
Market review: <i>Fixed narrowband wholesale exchange line, call origination, conveyance & transit.</i>
Service Offering: <i>Wholesale PPP represents the pence per minute charge levied on all applicable calls over the BT network. It is the mechanism by which BT recovers its PPP costs for supporting Interconnect calls.</i> <ul style="list-style-type: none">• <i>This service is the Product Management, Policy and Planning (PPP) activities that comprise the costs incurred by BT in servicing and supporting the interconnect calls.</i> <i>Also includes :</i> <ul style="list-style-type: none">a) <i>Pay costs for staff supporting interconnect calls.</i>b) <i>Attributable Sales, General & Admin costs to support these staff.</i>
Customer(s): <i>BT Retail and Other Communication Providers</i>
Price list entry: <i>Section C5.2 (included in call costs)</i> http://www.btwholesale.com/pricing

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Service: <i>Wholesale local-tandem conveyance segment</i>
Market: <i>Local-tandem conveyance and transit on fixed public narrowband networks</i>
Market review: <i>Fixed narrowband wholesale exchange line, call origination, conveyance & transit.</i>
Service Offering: <i>Call Duration for a call originating at a Local Exchange and conveying it to Tandem Exchange or vice versa.</i> <i>Includes Call Set-Up between the switching units (establishing a network end to end path) and call Duration (holding the path open for the time the link is open). Utilises the Local to Tandem Exchange Transmission Link and Length and Tandem Exchange Switching components.</i> <i>May utilise a second Local Exchange in place of Tandem Exchange where the Local Exchange is acting as a Tandem Exchange in the network.</i> <i>Also includes :</i> <i>a) Engineering and network support activity.</i> <i>b) Reactive and preventative maintenance including testing and fault handling.</i> <i>c) Billing systems.</i>
Customer(s): <i>BT Retail and Other Communication Providers</i>
Price list entry: <i>Note prices depend on the actual product e.g., Indirect Access, Local calls etc. Relevant sections of the Wholesale Carrier Price list are:</i> <i>Section B1 - Telephony</i> <i>Section C1.4 – Local Tandem Conveyance</i> <i>(http://www.btwholesale.com/pricing)</i>

BT Wholesale Catalogue

Service: <i>Wholesale local-tandem conveyance segment (ISDN)</i>
Market: <i>Local-tandem conveyance and transit on fixed public narrowband networks</i>
Market review: <i>Fixed narrowband wholesale exchange line, call origination, conveyance & transit.</i>
Service Offering: <i>Call Duration for an ISDN (Integrated Services Digital Network) call originating at a Local Exchange and conveying it to Tandem Exchange or vice versa .</i> <i>Includes Call Set-Up between the switching units (establishing a network end to end path) and call Duration (holding the path open for the time the link is open). Utilises the Local to Tandem Exchange Transmission Link and Length and Tandem Exchange Switching components.</i> <i>May utilise a second Local Exchange in place of Tandem Exchange where the Local Exchange is acting as a Tandem Exchange in the network.</i> <i>Also includes :</i> <i>a) Engineering and network support activity.</i> <i>b) Reactive and preventative maintenance including testing and fault handling.</i> <i>c) Billing systems.</i>
Customer(s): <i>BT Retail and Other Communication Providers</i>
Price list entry: <i>Note prices depend on the actual product e.g., Indirect Access, Local calls etc. Relevant sections of the Wholesale Carrier Price list are:</i> <i>Section B1 - Telephony</i> <i>Section C1.4 – Local Tandem Conveyance</i> <i>(http://www.btwholesale.com/pricing)</i>

BT Wholesale Catalogue

Service: <i>Wholesale local-tandem transmission stick</i>
Market: <i>Local-tandem conveyance and transit on fixed public narrowband networks</i>
Market review: <i>Fixed narrowband wholesale exchange line, call origination, conveyance & transit.</i>
Service Offering: <i>Call Duration for a call originating from a Local Exchange and conveying it to another Local Exchange .</i> <i>Is applicable only for BT to BT calls.</i> <i>Utilises the Local Exchange to Trunk Exchange Transmission Link and Length components.</i> <i>Also includes :</i> <i>a) Engineering and network support activity.</i> <i>b) Reactive and preventative maintenance including testing and fault handling.</i> <i>c) Sales, General & Admin.</i>
Customer(s): <i>BT Retail</i>
Price list entry: <i>Note prices depend on the actual product e.g. Indirect Access, Local calls etc. Relevant sections of the Wholesale Carrier Price list are:</i> <i>Section B1 - Telephony</i> <i>Section C1.4 – Local Tandem Conveyance</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: <i>Wholesale local-tandem transmission stick (ISDN)</i>
Market: <i>Local-tandem conveyance and transit on fixed public narrowband networks</i>
Market review: <i>Fixed narrowband wholesale exchange line, call origination, conveyance & transit.</i>
Service Offering: <i>Call Duration for an ISDN (Integrated Service Digital Network) call originating from a Local Exchange and conveying it to another Local Exchange .</i> <i>Is applicable only for BT to BT calls.</i> <i>Utilises the Local Exchange to Trunk Exchange Transmission Link and Length components.</i> <i>Also includes :</i> <i>a) Engineering and network support activity.</i> <i>b) Reactive and preventative maintenance including testing and fault handling.</i> <i>c) Sales, General & Admin.</i>
Customer(s): <i>BT Retail</i>
Price list entry: <i>Note prices depend on the actual product e.g. Indirect Access, Local calls etc. Relevant sections of the Wholesale Carrier Price list are:</i> <i>Section B1 - Telephony</i> <i>Section C1.4 – Local Tandem Conveyance</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: <i>Wholesale single transit segment</i>
Market: <i>Single transit on fixed public narrowband networks</i>
Market review: <i>Fixed narrowband wholesale exchange line, call origination, conveyance & transit.</i>
Service Offering: <i>Call Duration for a call originating from another Operator connected at a Tandem Exchange and conveying it to another Operator connected at the same Tandem Exchange .</i> <i>Utilises the Tandem Exchange Switching component.</i> <i>Also includes :</i> <i>a) Engineering and network support activity.</i> <i>b) Reactive and preventative maintenance including testing and fault handling.</i> <i>c) Billing systems.</i>
Customer(s): <i>BT Retail and Other Communication Providers</i>
Price list entry: <i>Note prices depend on the actual product e.g. Indirect Access, Local calls etc. Relevant sections of the Wholesale Carrier Price list are:</i> <i>Section B1.12 - Telephony</i> <i>Section C2.1 – Single Transit</i> <i>(http://www.btwholesale.com/pricing)</i>

BT Wholesale Catalogue

Service: <i>Wholesale standard CSI connection</i>
Market: <i>Technical areas (Interconnect Circuits)</i>
Market review: <i>Fixed narrowband wholesale exchange line, call origination, conveyance & transit.</i>
Service Offering: <i>Provision of a Customer-Sited Interconnect (CSI) circuit – a 2 MB PSTN connection from BT's exchange to the customer's premises.</i> <u><i>Includes:</i></u> <i>a) All direct engineering activity and commissioning to complete the connection</i> <u><i>Supplementary Services:</i></u> <i>To fulfil service connectivity, the following services are also required in conjunction with a CSI connection:</i> <i>a) CSI Rental (fixed) - Non-distance rental of a CSI circuit</i> <i>b) CSI rental per km - Distance-related rental of a CSI circuit</i> <i>c) IBC Connection - Provision of an Intra-building circuit</i> <i>d) IBC Rental - Rental of an Intra-building circuit</i>
Customer(s): <i>BT Retail and Other Communication Providers</i>
Price list entry: <i>Section B2.01</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: <i>Wholesale standard CSI rental - fixed</i>
Market: <i>Technical areas (Interconnect Circuits)</i>
Market review: <i>Fixed narrowband wholesale exchange line, call origination, conveyance & transit.</i>
Service Offering: <i>Non distance-related rental element of the inter-BT exchange part of a CSI circuit.</i> <u><i>Includes:</i></u> <i>a) A Local end – the access line (fibre/ copper/ radio and electronics)</i> <i>b) Transmission equipment at either end of the circuit</i> <i>c) Engineering and network support activity</i> <i>d) Reactive & preventative maintenance including line testing & fault handling</i> <u><i>Supplementary Services:</i></u> <i>To fulfil service connectivity, the following services are also required in conjunction with the Non distance-related rental of a CSI circuit:</i> <i>a) CSI Connection - Provision of a CSI circuit</i> <i>b) CSI rental per km - Distance-related rental of a CSI circuit</i> <i>c) IBC Connection - Provision of an Intra-building circuit</i> <i>d) IBC Rental – Rental of an Intra-building circuit</i>
Customer(s): <i>BT Retail and Other Communication Providers</i>
Price list entry: <i>Section B2.01</i> (http://www.btwholesale.com/pricing)

BT Wholesale Catalogue

Service: <i>Wholesale standard CSI rental per km</i>
Market: <i>Technical areas (Interconnect Circuits)</i>
Market review: <i>Fixed narrowband wholesale exchange line, call origination, conveyance & transit.</i>
Service Offering: <i>Distance-related rental element of the inter-BT exchange part of a CSI circuit.</i> <u><i>Includes:</i></u> <i>a) Fibre, Duct and intermediate Transmission equipment (where circuits travel through more than one exchange)</i> <i>b) Reactive & preventative maintenance including line testing & fault handling</i> <i>c) Engineering and network support activity</i> <u><i>Supplementary Services:</i></u> <i>To fulfil service connectivity, the following services are also required in conjunction with the distance-related rental of a CSI circuit:</i> <i>a) CSI Connection - Provision of a CSI circuit</i> <i>b) CSI Rental (fixed) - Non distance-related rental of a CSI circuit</i> <i>c) IBC Connection - Provision of an Intra-building circuit</i> <i>d) IBC Rental – Rental of an Intra-building circuit</i>
Customer(s): <i>BT Retail and Other Communication Providers</i>
Price list entry: <i>Section B2.01</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: <i>Wholesale ISI rental - fixed</i>
Market: <i>Technical areas (Interconnect Circuits)</i>
Market review: <i>Fixed narrowband wholesale exchange line, call origination, conveyance & transit.</i>
Service Offering: <i>Rental of a circuit connecting BT's exchange to the customer's Point of connection (located in a junction box in excess of 100m of the serving exchange). Provision of an In-Span Interconnect circuit – a 2Mbit PSTN link from BT's Switch to the customer's Point of Connection (located in a junction box within 100m of the serving exchange).</i> <u>Includes:</u> <i>a) Fibre and Duct . b) Reactive & preventative maintenance including line testing & fault handling c) Engineering and network support activity d) All direct engineering activity and commissioning to complete the connection</i> <u>Supplementary Services:</u> <i>To fulfil service connectivity, the following services are required in conjunction with the rental of an ISI circuit:</i> <i>a) ISI Connection - Provision of an In-Span Interconnect circuit b) IBC Connection - Provision of an Intra-building circuit c) IBC Rental - Rental of an Intra-building circuit</i> <i>Also, where interconnect is required beyond the adjacent exchange:</i> <i>d) IEC Connection – Provision of an Interconnect Extension circuit e) IEC (fixed) Rental – Non distance-related rental of an Interconnect Extension circuit f) IEC Rental per km – Distance-related rental of an Interconnect Extension circuit</i>
Customer(s): <i>Other Communication Providers</i>
Price list entry: <i>Section B2.02</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: <i>Wholesale IEC connection</i>
Market: <i>Technical areas (Interconnect Circuits)</i>
Market review: <i>Fixed narrowband wholesale exchange line, call origination, conveyance & transit.</i>
Service Offering: <i>Provision of an Interconnect Extension circuit – a 2Mbit connection used to extend an ISI circuit between the Multiplexor in a Remote Switch Connection and the Multiplexor terminating the ISI Interconnect Link .</i> <u><i>Includes:</i></u> <i>a) All direct engineering activity and commissioning to complete the connection</i> <u><i>Supplementary Services:</i></u> <i>To fulfil service connectivity, the following services are required in conjunction with an IEC connection:</i> <i>a) IEC (fixed) Rental – Non distance-related rental of an Interconnect Extension circuit</i> <i>b) IEC Rental per km – Distance-related rental of an Interconnect Extension circuit</i> <i>c) ISI Connection - Provision of an In-Span Interconnect circuit</i> <i>d) ISI Rental - Rental of an In-Span Interconnect circuit</i> <i>e) IBC Connection - Provision of an Intra-building circuit</i> <i>f) IBC Rental - Rental of an Intra-building circuit</i>
Customer(s): <i>Other Communication Providers</i>
Price list entry: <i>Section B2.02</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: <i>Wholesale IEC rental - fixed</i>
Market: <i>Technical areas (Interconnect Circuits)</i>
Market review: <i>Fixed narrowband wholesale exchange line, call origination, conveyance & transit.</i>
Service Offering: <i>Non distance related rental of a 2Mbit link used to extend an ISI circuit between the Multiplexor in a Remote Switch Connection and the Multiplexor terminating the ISI Interconnect Link</i> <u>Includes:</u> <i>a) Transmission equipment at either end of the IEC circuit b) Reactive & preventative maintenance including line testing & fault handling c) Engineering and network support activity</i> <u>Supplementary Services:</u> <i>To fulfil service connectivity, the following services are required in conjunction with the non distance-related rental of an IEC circuit:</i> <i>a) IEC Connection – Provision of an Interconnect Extension circuit b) IEC Rental per km – Distance-related rental of an Interconnect Extension circuit c) ISI Connection - Provision of an In-Span Interconnect circuit d) ISI Rental - Rental of an In-Span Interconnect circuit e) IBC Connection - Provision of an Intra-building circuit f) IBC Rental - Rental of an Intra-building circuit</i>
Customer(s): <i>Other Communication Providers</i>
Price list entry: <i>Section B2.02</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: <i>Wholesale IEC rental – per km</i>
Market: <i>Technical areas (Interconnect Circuits)</i>
Market review: <i>Fixed narrowband wholesale exchange line, call origination, conveyance & transit.</i>
Service Offering: <i>Distance-related rental (charged per km) of a 2Mbit link used to extend an ISI circuit between the Multiplexor in a Remote Switch Connection and the Multiplexor terminating the ISI Interconnect Link</i> Includes: <i>a) Fibre, Duct and intermediate Transmission equipment (where the circuit cross more than one exchange)</i> <i>b) Reactive & preventative maintenance including line testing & fault handling</i> <i>c) Engineering and network support activity</i> Supplementary Services: <i>To fulfil service connectivity, the following services are required in conjunction with the distance-related rental of an IEC circuit:</i> <i>a) IEC Connection – Provision of an Interconnect Extension circuit</i> <i>b) IEC (fixed) Rental – Non distance-related rental of an Interconnect Extension circuit</i> <i>c) ISI Connection - Provision of an In-Span Interconnect circuit</i> <i>d) ISI Rental - Rental of an In-Span Interconnect circuit</i> <i>e) IBC Connection - Provision of an Intra-building circuit</i> <i>f) IBC Rental - Rental of an Intra-building circuit</i>
Customer(s): <i>Other Communication Providers</i>
Price list entry: <i>Section B2.02</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: <i>Wholesale intra-building circuits connection</i>
Market: <i>Technical areas (Interconnect Circuits)</i>
Market review: <i>Fixed narrowband wholesale exchange line, call origination, conveyance & transit.</i>
Service Offering: <i>Provision of an Intra-Building Interconnect circuit - a connection between a BT Switch Connection and the Interface on the Multiplexor forming part of an Interconnect Link.</i> <u><i>Includes:</i></u> <i>a) All direct engineering activity and commissioning to complete the connection</i> <u><i>Supplementary Services:</i></u> <i>To fulfil service connectivity, the following services are required in conjunction with the provision of an Intra-building circuit:</i> <i>a) CSI Connection - Provision of a CSI circuit</i> <i>b) CSI Rental (fixed) - Non distance-related rental of a CSI circuit</i> <i>c) CSI rental per km - Distance-related rental of a CSI circuit</i> <i>OR</i> <i>d) ISI Connection - Provision of an In-Span Interconnect circuit</i> <i>d) ISI Rental - Rental of an In-Span Interconnect circuit</i> <i>Also, where interconnect is required beyond the adjacent exchange:</i> <i>a) IEC Connection – Provision of an Interconnect Extension circuit</i> <i>b) IEC (fixed) Rental – Non distance-related rental of an Interconnect Extension circuit</i> <i>c) IEC Rental per km – Distance-related rental of an Interconnect Extension circuit</i>
Customer(s): <i>Other Communication Providers</i>
Price list entry: <i>Section B2.02</i> (http://www.btwholesale.com/pricing)

BT Wholesale Catalogue

Service: <i>Wholesale intra-building circuits rental</i>
Market: <i>Technical areas (Interconnect Circuits)</i>
Market review: <i>Fixed narrowband wholesale exchange line, call origination, conveyance & transit.</i>
Service Offering: <i>Rental of a link between a BT Switch Connection and the Interface on the Multiplexor forming part of an Interconnect Link .</i> <u><i>Includes:</i></u> <i>a) Reactive & preventative maintenance including line testing & fault handling</i> <i>b) Engineering and network support activity;</i> <u><i>Supplementary Services:</i></u> <i>To fulfil service connectivity, the following services are required in conjunction with the rental of an Intra-building circuit:</i> <i>a) CSI Connection - Provision of a CSI circuit</i> <i>b) CSI Rental (fixed) - Non distance-related rental of a CSI circuit</i> <i>c) CSI rental per km - Distance-related rental of a CSI circuit</i> <i>OR</i> <i>d) ISI Connection - Provision of an In-Span Interconnect circuit</i> <i>e) ISI Rental - Rental of an In-Span Interconnect circuit</i> <i>Also, where interconnect is required beyond the adjacent exchange:</i> <i>f) IEC Connection – Provision of an Interconnect Extension circuit</i> <i>g) IEC (fixed) Rental – Non distance-related rental of an Interconnect Extension circuit</i> <i>h) IEC Rental per km – Distance-related rental of an Interconnect Extension circuit</i>
Customer(s): <i>Other Communication Providers</i>
Price list entry: <i>Section B2.02</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: <i>Wholesale rearrangements</i>
Market: <i>Technical areas (Interconnect Circuits)</i>
Market review: <i>Fixed narrowband wholesale exchange line, call origination, conveyance & transit.</i>
Service Offering: <i>Rearrangement of Intra building circuits will be necessary when an operator wishes to alter the actual routing of the circuit within the exchange (physical rearrangement) or the type of service offered over the circuit (software rearrangement).</i> <i>A change necessitating a 2 Mbit/s Path being moved from one building to another building is not covered by rearrangement charges and requires cessation of the circuit and the provision of a new 2 Mbit/s CSI Interconnect Link.</i>
Customer(s): <i>Other Communication Providers</i>
Price list entry: <i>Section B2.01</i> (http://www.btwholesale.com/pricing)

BT Wholesale Catalogue

Service: <i>Wholesale call termination local exchange segment</i>
Market: <i>Fixed call termination</i>
Market review: <i>Review of the fixed geographic call termination markets.</i>
Service Offering: <i>Call duration for a call terminating on the Access network originating from a Local Exchange switch .</i> <i>Includes call set – up (establishing a network end to end path) and call duration (holding the path open for the time the link is open) and utilises the following elements: Concentrator, Local Exchange switching, Remote to Local Transmission Link & Length.</i> <i>Also includes :</i> <i>a) Engineering and network support activity.</i> <i>b) Reactive and preventative maintenance including testing and fault handling.</i> <i>c) Sales, General & Admin.</i>
Customer(s): <i>BT Retail and Other Communication Providers</i>
Price list entry: <i>Section C1.1</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: <i>Wholesale call termination local exchange segment (ISDN)</i>
Market: <i>Fixed call termination</i>
Market review: <i>Review of the fixed geographic call termination markets.</i>
Service Offering: <i>Call duration for an ISDN (Integrated services Digital Network) call terminating on the Access network originating from a Local Exchange switch .</i> <i>Includes call set – up (establishing a network end to end path) and call duration (holding the path open for the time the link is open) and utilises the following elements; Concentrator, Local Exchange switching, Remote to Local Transmission Link & Length.</i> <i>Also includes :</i> <i>a) Engineering and network support activity.</i> <i>b) Reactive and preventative maintenance including testing and fault handling.</i> <i>c) Sales, General & Admin.</i>
Customer(s): <i>BT Retail and Other Communication Providers</i>
Price list entry: <i>Section C1.1</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: <i>Wholesale call termination local exchange stick</i>
Market: <i>Fixed call termination</i>
Market review: <i>Review of the fixed geographic call termination markets.</i>
Service Offering: <i>Call duration for a call terminating on the Access network originating from a Local Exchange switch .</i> <i>Includes call set – up (establishing a network end to end path) and call duration (holding the path open for the time the link is open) and utilises the following elements; Concentrator, Remote to Local Transmission Link & Length.</i> <i>Does not include Local Exchange switching and is only applicable to BT-BT and some CPS calls.</i> <i>Also includes :</i> <i>a) Engineering and network support activity.</i> <i>b) Reactive and preventative maintenance including testing and fault handling.</i> <i>c) Sales, General & Admin.</i>
Customer(s): <i>BT Retail and Other Communication Providers</i>
Price list entry: <i>Section C1.1</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: <i>Wholesale call termination local exchange stick (ISDN)</i>
Market: <i>Fixed call termination</i>
Market review: <i>Review of the fixed geographic call termination markets.</i>
Service Offering: <i>Call duration for an ISDN (Integrated Services Digital Network) call terminating on the Access network originating from a Local Exchange switch .</i> <i>Includes call set – up (establishing a network end to end path) and call duration (holding the path open for the time the link is open) and utilises the following elements; Concentrator, Remote to Local Transmission Link & Length.</i> <i>Does not include Local Exchange switching and is only applicable to BT-BT and some CPS calls.</i> <i>Also includes :</i> <i>a) Engineering and network support activity.</i> <i>b) Reactive and preventative maintenance including testing and fault handling.</i> <i>c) Sales, General & Admin.</i>
Customer(s): <i>BT Retail and Other Communication Providers</i>
Price list entry: <i>Section C1.1</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: <i>Partial and Private Circuits 64kbit/s - connection</i>
Market: <i>Traditional interface symmetric broadband origination (up to and including 8Mbit/s)</i>
Market review: <i>Review of the retail leased lines, symmetric broadband origination and wholesale trunk segments markets</i>
Service Offering: <u>Outline of Service</u> <i>A Partial Private Circuit operating at 64kbit/s is a wholesale circuit from a Third Party Customer Link to a Public Electronic Communications Networks' (PECN) Point of Handover (PoH).</i> <i>The service will be from a Third Party Customer site across the BT Digital Private Circuit Network to an agreed PoH at an appropriate Digital Cross Connect Site which is coincident with the nearest appropriate SDH BT Serving Node – typically a Tier 1 or Tier 1.5 ('Super cell') or Tier 2 BT Serving Node or any Tier 1 SDH BT Serving Node chosen by the PECN - for connection to the PECN's PoH.</i> <i>The PoH can be located at a PECN's site and configured as a Customer Sited Handover (CSH), In Span Handover (ISH) or ISH extension.</i> <u>Key Features & Availability</u> <u>PECN's PoH</u> <i>The Main Link will nominally cover the distance from the Third Party Customers BT Serving Exchange to the SDH Network BT Serving Node (Tier 1, Tier 1.5 or Tier 2) used for connection to the PECN.</i> <i>The delivery, for each individual Partial Private Circuit at 64kbit/s to the PECN will be via a 2 Mbit/s Aggregate Interface presented across an STM-1 or STM-4 or STM-16 line transmission system at the PoH.</i> <i>Further technical specification regarding the bearer and how the service will be presented at the PoH can be found within Supplier Information Notes (SIN) 254 'KiloStream Aggregate Interface Service Description'. SIN documents can be found at: - www.sinet.bt.com.</i> <i>Note that PoH electronics are available to Other Communications Providers only</i>
Customer(s): <i>BT Retail and Other Communication Providers</i>
Price list entry: <i>Section B8</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: <i>Partial and Private Circuits 64kbit/s - link</i>
Market: <i>Traditional interface symmetric broadband origination (up to and including 8Mbit/s)</i>
Market review: <i>Review of the retail leased lines, symmetric broadband origination and wholesale trunk segments markets</i>
Service Offering: <u>Outline of Service</u> <i>A Partial Private Circuit operating at 64kbit/s is a wholesale circuit from a Third Party Customer Link to a Public Electronic Communications Networks' (PECN) Point of Handover (PoH).</i> <u>Outline of Service</u> <i>The link is associated with the Digital Private Circuits Network (DPCN) Private Circuits provide a dedicated point-to-point connection for exclusive voice and data communications between two sites (BT or customer). They utilise bearers and line systems which consist of electronics and interconnecting cable. The link component encompasses the fixed costs of connecting BT sites at the terminating ends into the core network.</i> <i>With the improved identification of the circuit ends, only the bearer between the terminating end and LSE is now identified as Link</i> <i>Note that PoH electronics are available to Other Communications Providers only</i>
Customer(s): <i>BT Retail and Other Communication Providers</i>
Price list entry: <i>Section B8</i> (http://www.btwholesale.com/pricing)

BT Wholesale Catalogue

Service: <i>Partial and Private Circuits 64kbit/s - transmission</i>
Market: <i>Traditional interface symmetric broadband origination (up to and including 8Mbit/s)</i>
Market review: <i>Review of the retail leased lines, symmetric broadband origination and wholesale trunk segments markets</i>
Service Offering: <i>A Partial Private Circuit operating at 64kbit/s is a wholesale circuit from a Third Party Customer Link to a Public Electronic Communications Networks' (PECN) Point of Handover (PoH).</i> <u>Outline of Service</u> <i>This component captures the 64k link length costs associated with the Digital Private Circuits Network (DPCN).</i> <i>As per approved the methodology change, Component volumes are now being measured in Radial km unlike Route km- method previously applied</i>
Customer(s): <i>BT Retail and Other Communication Providers</i>
Price list entry: <i>Section B8</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: <i>Partial and Private Circuits 64kbit/s – local end</i>
Market: <i>Traditional interface symmetric broadband origination (up to and including 8Mbit/s)</i>
Market review: <i>Review of the retail leased lines, symmetric broadband origination and wholesale trunk segments markets</i>
Service Offering: <u>Outline of Service</u> <i>A Partial Private Circuit operating at 64kbit/s is a wholesale circuit from a Third Party Customer Link to a Public Electronic Communications Networks' (PECN) Point of Handover (PoH).</i> <i>The local end' service will be from a Third Party Customer site across the Local Access Network to the terminating equipment at the serving exchange.</i> <u>Key Features & Availability</u> <i>The Local End covers the distance from the Third Party Customers site to the BT Serving Exchange. This service can be brought in conjunction with link and length services which provide onward connection to the SDH Network BT Serving Node used for connection to the PECN.</i> <i>Further technical specification regarding the bearer and how the service will be presented at the PoH can be found within Supplier Information Notes (SIN) 254 'KiloStream Aggregate Interface Service Description'. SIN documents can be found at: - www.sinet.bt.com.</i>
Customer(s): <i>BT Retail and Other Communication Providers</i>
Price list entry: <i>Section B8</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: <i>Partial and Private Circuits 2Mbit/s - connection</i>
Market: <i>Traditional interface symmetric broadband origination (up to and including 8Mbit/s)</i>
Market review: <i>Review of the retail leased lines, symmetric broadband origination and wholesale trunk segments markets</i>
Service Offering: <u>Outline of Service</u> <i>A Partial Private Circuit operating at 2Mbit/s is a wholesale circuit from a Third Party Customer Link to a Public Electronic Communications Networks' (PECN) Point of Handover (PoH).</i> <i>The service will be from a Third Party customer site across the BT network to an agreed PoH served by the nearest appropriate SDH BT Serving Node typically a Tier 1 or Tier 1.5 ('Super cell') Tier 2 or Tier 3 BT Serving Node or any Tier 1 SDH BT Serving Node chosen by the PECN - for connection to the PECN's Point of Handover.</i> <i>The PoH can be located at a PECN's site, and configured as a Customer Sited Handover (CSH), In Span Handover (ISH) or In Span Handover Extension (ISH Extn).</i> <u>Key Features & Availability</u> <u>PECN's PoH</u> <i>The Main Link will nominally cover the distance from the Third Party Customers BT Serving Exchange to the SDH Network BT Serving Node (Tier 1, Tier 1.5, Tier 2 or Tier 3) used for connection to the PECN.</i> <i>The delivery, for each individual Partial Private Circuit at 2Mbit/s to the PECN will be presented across an STM-1, STM-4 or STM-16 line transmission system at the PoH.</i> <i>The chosen routing and protection for the 2Mbit circuit will be provided such that it meets the quality of service for the product.</i> <i>Note that PoH electronics are available to Other Communications Providers only</i>
Customer(s): <i>BT Retail and Other Communication Providers</i>
Price list entry: <i>Section B8</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: <i>Partial and Private Circuits 2Mbit/s - link</i>
Market: <i>Traditional interface symmetric broadband origination (up to and including 8Mbit/s)</i>
Market review: <i>Review of the retail leased lines, symmetric broadband origination and wholesale trunk segments markets</i>
Service Offering: <i>A Partial Private Circuit operating at 2Mbit/s is a wholesale circuit from a Third Party Customer Link to a Public Electronic Communications Networks' (PECN) Point of Handover (PoH).</i> <u>Outline of Service</u> <i>Private Circuits provide a dedicated point-to-point connection for exclusive voice and data communications between two sites (BT or customer). They utilise bearers and line systems which consist of electronics and interconnecting cable. The link component encompasses the fixed costs of connecting BT sites at the terminating ends into the core network.</i> <i>With the improved identification of the circuit ends, only the bearer between the terminating end and LSE is now identified as Link</i>
Customer(s): <i>BT Retail and Other Communication Providers</i>
Price list entry: <i>Section B8</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: <i>Partial and Private Circuits 2Mbit/s - distribution</i>
Market: <i>Traditional interface symmetric broadband origination (up to and including 8Mbit/s)</i>
Market review: <i>Review of the retail leased lines, symmetric broadband origination and wholesale trunk segments markets</i>
Service Offering: <i>A Partial Private Circuit operating at 2Mbit/s is a wholesale circuit from a Third Party Customer Link to a Public Electronic Communications Networks' (PECN) Point of Handover (PoH).</i> <u>Outline of Service</u> <i>Private Circuits provide a dedicated point-to-point connection for exclusive voice and data communications between two sites (BT or customer). They utilise bearers and line systems which consist of electronics and interconnecting cable. The distribution component encompasses costs of SDH/MSH bears between Tier 1.5 to 4 and PDH line systems with a bit rate between 2 and 34 Mbit, within the core network (excluding local ends and links to terminating ends).</i> <i>This component is specific to 2Mbit circuits</i>
Customer(s): <i>BT Retail and Other Communication Providers</i>
Price list entry: <i>Section B8</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: <i>Partial and Private Circuits 2mbit/s – local end</i>
Market: <i>Traditional interface symmetric broadband origination (up to and including 8Mbit/s)</i>
Market review: <i>Review of the retail leased lines, symmetric broadband origination and wholesale trunk segments markets</i>
Service Offering: <u>Outline of Service</u> <i>A Partial Private Circuit operating at 2mbit/s is a wholesale circuit from a Third Party Customer Link to a Public Electronic Communications Networks' (PECN) Point of Handover (PoH).</i> <i>The local end' service will be from a Third Party Customer site across the Local Access Network to the terminating equipment at the serving exchange.</i> <u>Key Features & Availability</u> <i>The Local End covers the distance from the Third Party Customers site to the BT Serving Exchange. This service can be brought in conjunction with link and length services which provide onward connection to the SDH Network BT Serving Node used for connection to the PECN.</i> <i>Further technical specification regarding the bearer and how the service will be presented at the PoH can be found within Supplier Information Notes (SIN) 254 'KiloStream Aggregate Interface Service Description'. SIN documents can be found at: - www.sinet.bt.com.</i>
Customer(s): <i>BT Retail and Other Communication Providers</i>
Price list entry: <i>Section B8</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: RBS Backhaul sub 2mb – rental
Market: <i>Traditional interface symmetric broadband origination (up to and including 8Mbit/s)</i>
Market review: <i>Review of the retail leased lines, symmetric broadband origination and wholesale trunk segments markets</i>
Service Offering: <u>Outline of Service</u> <i>The Radio Base Station Backhaul service comprises three main elements:</i> <ul style="list-style-type: none">• <i>The Point of Connection (A-end): This is the infrastructure that provides the connection between the MNO's switching centre, or network, and the serving SDH node in the BT network. The high-capacity PoC infrastructure is supplied as a Customer Sited Connection (CSC) and is available at SMA-1, SMA-4 and SMA-16. Multiple Radio Base Station Backhaul circuits can be handed over at a single PoC.</i>• <i>The Cell Site (B-end): This is the infrastructure that provides the connection between the remote Cell Site (Radio Base Station) and the nearest BT Exchange. This infrastructure can support either singleton, or multiple circuits, including multiple connections at 4 x 2Mbit/s or 16 x 2Mbits. Presentation at the Cell Site will be via standard G703 or X21 interfaces.</i>• <i>Radio Base Station Backhaul Circuit: This is the connection across the BT network between the PoC and the Cell Site. Radio Base Station Backhaul Circuits are available at the following bandwidths: 128Kbit/s; 192Kbit/s; 256Kbit/s; 320Kbit/s, 384Kbit/s, 448Kbit/s; 512Kbit/s; 576Kbit/s; 640Kbit/s; 704Kbit/s; 768Kbits; 832Kbit/s; 896Kbit/s; 960Kbit/s and 2Mbit/s.</i> <u>Key Features & Availability</u> <i>The product will be available nationally, for new supply, at 2Mbit/s and all bandwidths between 128Kbit/s and 960Kbit/s.</i> <i>Qualifying existing circuits between Cell Sites and MSCs, used for radio base station backhaul purposes only, at bandwidths of 2Mbit/s and between 128Kbit/s and 1024Kbit/s, may also be migrated to Radio Base Station Backhaul terms and conditions.</i> <i>Connection to the MSC can be either direct (single tier) or indirect (two tier). If Radio Base Station Backhaul is used with a two tier network then an additional service (non Radio Base Station Backhaul) is required to link to the Switch Site. Cell to Cell circuits are not eligible for Radio Base Station Backhaul Backhaul.</i>
Customer(s): <i>Mobile Network Operators</i>
Price list entry: <i>Section B11</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: RBS Backhaul sub 2mb – connection
Market: <i>Traditional interface symmetric broadband origination (up to and including 8Mbit/s)</i>
Market review: <i>Review of the retail leased lines, symmetric broadband origination and wholesale trunk segments markets</i>
Service Offering: <u>Outline of Service</u> <i>The Radio Base Station Backhaul service comprises three main elements:</i> <ul style="list-style-type: none"><i>The Point of Connection (A-end): This is the infrastructure that provides the connection between the MNO's switching centre, or network, and the serving SDH node in the BT network. The high-capacity PoC infrastructure is supplied as a Customer Sited Connection (CSC) and is available at SMA-1, SMA-4 and SMA-16. Multiple Radio Base Station Backhaul circuits can be handed over at a single PoC.</i><i>The Cell Site (B-end): This is the infrastructure that provides the connection between the remote Cell Site (Radio Base Station) and the nearest BT Exchange. This infrastructure can support either singleton, or multiple circuits, including multiple connections at 4 x 2Mbit/s or 16 x 2Mbits. Presentation at the Cell Site will be via standard G703 or X21 interfaces.</i><i>Radio Base Station Backhaul Circuit: This is the connection across the BT network between the PoC and the Cell Site. Radio Base Station Backhaul Circuits are available at the following bandwidths: 128Kbit/s; 192Kbit/s; 256Kbit/s; 320Kbit/s, 384Kbit/s, 448Kbit/s; 512Kbit/s; 576Kbit/s; 640Kbit/s; 704Kbit/s; 768Kbits; 832Kbit/s; 896Kbit/s; 960Kbit/s and 2Mbit/s.</i> <u>Key Features & Availability</u> <i>The product will be available nationally, for new supply, at 2Mbit/s and all bandwidths between 128Kbit/s and 960Kbit/s.</i> <i>Qualifying existing circuits between Cell Sites and MSCs, used for radio base station backhaul purposes only, at bandwidths of 2Mbit/s and between 128Kbit/s and 1024Kbit/s, may also be migrated to Radio Base Station Backhaul terms and conditions.</i> <i>Connection to the MSC can be either direct (single tier) or indirect (two tier). If Radio Base Station Backhaul is used with a two tier network then an additional service (non Radio Base Station Backhaul) is required to link to the Switch Site. Cell to Cell circuits are not eligible for Radio Base Station Backhaul Backhaul.</i>
Customer(s): <i>Mobile Network Operators</i>
Price list entry: <i>Section B11</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: RBS Backhaul 2mb – rental
Market: <i>Traditional interface symmetric broadband origination (up to and including 8Mbit/s)</i>
Market review: <i>Review of the retail leased lines, symmetric broadband origination and wholesale trunk segments markets</i>
Service Offering: <u>Outline of Service</u> <i>The Radio Base Station Backhaul service comprises three main elements:</i> <ul style="list-style-type: none"><i>The Point of Connection (A-end): This is the infrastructure that provides the connection between the MNO's switching centre, or network, and the serving SDH node in the BT network. The high-capacity PoC infrastructure is supplied as a Customer Sited Connection (CSC) and is available at SMA-1, SMA-4 and SMA-16. Multiple Radio Base Station Backhaul circuits can be handed over at a single PoC.</i><i>The Cell Site (B-end): This is the infrastructure that provides the connection between the remote Cell Site (Radio Base Station) and the nearest BT Exchange. This infrastructure can support either singleton, or multiple circuits, including multiple connections at 4 x 2Mbit/s or 16 x 2Mbits. Presentation at the Cell Site will be via standard G703 or X21 interfaces.</i><i>Radio Base Station Backhaul Circuit: This is the connection across the BT network between the PoC and the Cell Site. Radio Base Station Backhaul Circuits are available at the following bandwidths: 128Kbit/s; 192Kbit/s; 256Kbit/s; 320Kbit/s, 384Kbit/s, 448Kbit/s; 512Kbit/s; 576Kbit/s; 640Kbit/s; 704Kbit/s; 768Kbits; 832Kbit/s; 896Kbit/s; 960Kbit/s and 2Mbit/s.</i> <u>Key Features & Availability</u> <i>The product will be available nationally, for new supply, at 2Mbit/s and all bandwidths between 128Kbit/s and 960Kbit/s.</i> <i>Qualifying existing circuits between Cell Sites and MSCs, used for radio base station backhaul purposes only, at bandwidths of 2Mbit/s and between 128Kbit/s and 1024Kbit/s, may also be migrated to Radio Base Station Backhaul terms and conditions.</i> <i>Connection to the MSC can be either direct (single tier) or indirect (two tier). If Radio Base Station Backhaul is used with a two tier network then an additional service (non Radio Base Station Backhaul) is required to link to the Switch Site. Cell to Cell circuits are not eligible for Radio Base Station Backhaul Backhaul.</i>
Customer(s): <i>Mobile Network Operators</i>
Price list entry: <i>Section B11</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: RBS Backhaul 2mb – connection
Market: <i>Traditional interface symmetric broadband origination (up to and including 8Mbit/s)</i>
Market review: <i>Review of the retail leased lines, symmetric broadband origination and wholesale trunk segments markets</i>
Service Offering: <u>Outline of Service</u> <i>The Radio Base Station Backhaul service comprises three main elements:</i> <ul style="list-style-type: none"><i>The Point of Connection (A-end): This is the infrastructure that provides the connection between the MNO's switching centre, or network, and the serving SDH node in the BT network. The high-capacity PoC infrastructure is supplied as a Customer Sited Connection (CSC) and is available at SMA-1, SMA-4 and SMA-16. Multiple Radio Base Station Backhaul circuits can be handed over at a single PoC.</i><i>The Cell Site (B-end): This is the infrastructure that provides the connection between the remote Cell Site (Radio Base Station) and the nearest BT Exchange. This infrastructure can support either singleton, or multiple circuits, including multiple connections at 4 x 2Mbit/s or 16 x 2Mbits. Presentation at the Cell Site will be via standard G703 or X21 interfaces.</i><i>Radio Base Station Backhaul Circuit: This is the connection across the BT network between the PoC and the Cell Site. Radio Base Station Backhaul Circuits are available at the following bandwidths: 128Kbit/s; 192Kbit/s; 256Kbit/s; 320Kbit/s, 384Kbit/s, 448Kbit/s; 512Kbit/s; 576Kbit/s; 640Kbit/s; 704Kbit/s; 768Kbits; 832Kbit/s; 896Kbit/s; 960Kbit/s and 2Mbit/s.</i> <u>Key Features & Availability</u> <i>The product will be available nationally, for new supply, at 2Mbit/s and all bandwidths between 128Kbit/s and 960Kbit/s.</i> <i>Qualifying existing circuits between Cell Sites and MSCs, used for radio base station backhaul purposes only, at bandwidths of 2Mbit/s and between 128Kbit/s and 1024Kbit/s, may also be migrated to Radio Base Station Backhaul terms and conditions.</i> <i>Connection to the MSC can be either direct (single tier) or indirect (two tier). If Radio Base Station Backhaul is used with a two tier network then an additional service (non Radio Base Station Backhaul) is required to link to the Switch Site. Cell to Cell circuits are not eligible for Radio Base Station Backhaul.</i>
Customer(s): <i>Mobile Network Operators</i>
Price list entry: <i>Section B11</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: <i>Symmetric Digital Subscriber Line (SDSL)</i>
Market: <i>Traditional interface symmetric broadband origination (up to and including 8Mbit/s)</i>
Market review: <i>Review of the retail leased lines, symmetric broadband origination and wholesale trunk segments markets</i>
Service Offering: <ul style="list-style-type: none">• <i>The BT IPstream Symmetric portfolio is an Internet Protocol (IP) connectivity product that offers semi-permanent virtual circuits between large numbers of End Users, distributed over national areas, and a BT Central . IP connections are delivered to End Users over a new Metallic Pair using Symmetric High bit rate Digital Subscriber Line (SHDSL) technology.</i>• <i>BT Datastream Symmetric Services are designed to provide an end to end ATM connectivity from a Customer's host site to a large number of End Users. The service consists of connectivity to the BT Network via a Customer Access Link or ATM Access Port and a number of virtual paths (VP) across the BT Network, with final delivery to the End Users over a new Metallic Pair using SHDSL transmission technology.</i>
Customer(s): <i>BT Retail</i>
Price list entry: <i>Section 44 (Wholesale Service Provider Price List)</i> (http://www.btwholesale.com/pricing)

BT Wholesale Catalogue

Service: <i>Partial and Private Circuits 34/45mbit/s - link</i>
Market: <i>Traditional interface symmetric broadband origination (above 8Mbit/s up to and including 155Mbit/s)</i>
Market review: <i>Review of the retail leased lines, symmetric broadband origination and wholesale trunk segments markets</i>
Service Offering: <u>Outline of Service</u> <u>34/45 Mbit service</u> <i>A Partial Private Circuit operating at 34/45 is a wholesale circuit from a Third Party Customer to a Public Electronic Communications Networks' (PECN) Point of Handover (PoH).</i> <i>The service will be from a Third Party customer site across the BT network to an agreed PoH served by the nearest appropriate SDH BT Serving Node – typically a Tier 1 or Tier 1.5 ('Super cell') Tier 2 or Tier 3 BT Serving Node or any Tier 1 SDH BT Serving Node chosen by the PECN - for connection to the PECN's PoH.</i> <i>The PoH can be located at a PECN's site, and configured as a Customer Sited Handover (CSH), or alternatively it can be co-incident with the SDH BT Serving Node and configured as an In Span Handover (ISH) or In Span Handover Extension (ISH Extn).</i> <u>Key Features & Availability</u> <u>PECNs PoH</u> <i>The Main Link will nominally cover the distance from the Third Party Customers BT Serving Exchange to the SDH Network BT Serving Node (Tier 1, Tier 1.5, Tier 2 or Tier 3) used for connection to the PECN.</i> <i>The delivery, for each individual Partial Private Circuit at 34/45 to the PECN will be presented across an STM-1 or STM-4 or STM-16 line transmission system at the PoH. The chosen routing and protection for the high bandwidth circuit will be provided such that it meets the quality of service for the product.</i> <i>Note that PoH electronics are available to Other Communications Providers only</i>
Customer(s): <i>BT Retail and Other Communication Providers</i>
Price list entry: <i>Section B8</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: <i>Partial and Private Circuits 34/45mbit/s - distribution</i>
Market: <i>Traditional interface symmetric broadband origination (above 8Mbit/s up to and including 155Mbit/s)</i>
Market review: <i>Review of the retail leased lines, symmetric broadband origination and wholesale trunk segments markets</i>
Service Offering: <i>A Partial Private Circuit operating at 34/45Mbit/s is a wholesale circuit from a Third Party Customer Link to a Public Electronic Communications Networks' (PECN) Point of Handover (PoH).</i> <u>Outline of Service</u> <i>Private Circuits provide a dedicated point-to-point connection for exclusive voice and data communications between two sites (BT or customer). They utilise bearers and line systems which consist of electronics and interconnecting cable. The distribution component encompasses costs of SDH/MSH bears between Tier 1.5 to 4 and PDH line systems with a bit rate between 2 and 34 Mbit, within the core network (excluding local ends and links to terminating ends).</i>
Customer(s): <i>BT Retail and Other Communication Providers</i>
Price list entry: <i>Section B8</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: <i>Partial and Private Circuits 34/45mbit/s – local end</i>
Market: <i>Traditional interface symmetric broadband origination (above 8Mbit/s up to and including 155Mbit/s)</i>
Market review: <i>Review of the retail leased lines, symmetric broadband origination and wholesale trunk segments markets</i>
Service Offering: <u>Outline of Service</u> <i>A Partial Private Circuit operating at 34/45mbit/s is a wholesale circuit from a Third Party Customer Link to a Public Electronic Communications Networks' (PECN) Point of Handover (PoH).</i> <i>The local end' service will be from a Third Party Customer site across the Local Access Network to the terminating equipment at the serving exchange.</i> <u>Key Features & Availability</u> <i>The Local End covers the distance from the Third Party Customers site to the BT Serving Exchange. This service can be brought in conjunction with link and length services which provide onward connection to the SDH Network BT Serving Node used for connection to the PECN.</i> <i>Further technical specification regarding the bearer and how the service will be presented at the PoH can be found within Supplier Information Notes (SIN) 254 'KiloStream Aggregate Interface Service Description'. SIN documents can be found at: - www.sinet.bt.com.</i>
Customer(s): <i>BT Retail and Other Communication Providers</i>
Price list entry: <i>Section B8</i> (http://www.btwholesale.com/pricing)

BT Wholesale Catalogue

Service: <i>Partial and Private Circuits 140/155mbit/s – link</i>
Market: <i>Traditional interface symmetric broadband origination (above 8Mbit/s up to and including 155Mbit/s)</i>
Market review: <i>Review of the retail leased lines, symmetric broadband origination and wholesale trunk segments markets</i>
Service Offering: <u>Outline of Service</u> <i>A Partial Private Circuit operating at 34/45 or 140/155 Mbit/s is a wholesale circuit from a Third Party Customer to a Public Electronic Communications Networks' (PECN) Point of Handover (PoH).</i> <i>The service will be from a Third Party customer site across the BT network to an agreed PoH served by the nearest appropriate SDH BT Serving Node – typically a Tier 1 or Tier 1.5 ('Super cell') Tier 2 or Tier 3 BT Serving Node or any Tier 1 SDH BT Serving Node chosen by the PECN - for connection to the PECN's PoH.</i> <i>The PoH can be located at a PECN's site, and configured as a Customer Sited Handover (CSH), or alternatively it can be co-incident with the SDH BT Serving Node and configured as an In Span Handover (ISH) or In Span Handover Extension (ISH Extn).</i> <i>155 Mbit Service MSH-MSH</i> <i>A Partial Private Circuit operating at 155 Mbit/s is a wholesale circuit from a Third Party Customer MSH51C to a PECN Point of Handover (PoH) MSH51C..</i> <u>Key Features & Availability</u> <i>PECNs PoH</i> <i>The Main Link will nominally cover the distance from the Third Party Customers BT Serving Exchange to the SDH Network BT Serving Node (Tier 1, Tier 1.5, Tier 2 or Tier 3) used for connection to the PECN.</i> <i>The delivery, for each individual Partial Private Circuit at 34/45 & 140/155Mbit/s to the PECN will be presented across an STM-1 or STM-4 or STM-16 line transmission system at the PoH.</i>
Customer(s): <i>BT Retail and Other Communication Providers</i>
Price list entry: <i>Section B8</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: <i>Partial and Private Circuits 140/155mbit/s – distribution</i>
Market: <i>Traditional interface symmetric broadband origination (above 8Mbit/s up to and including 155Mbit/s)</i>
Market review: <i>Review of the retail leased lines, symmetric broadband origination and wholesale trunk segments markets.</i>
Service Offering: <i>A Partial Private Circuit operating at 155Mbit/s is a wholesale circuit from a Third Party Customer Link to a Public Electronic Communications Networks' (PECN) Point of Handover (PoH).</i> <u>Outline of Service</u> <i>Private Circuits provide a dedicated point-to-point connection for exclusive voice and data communications between two sites (BT or customer). They utilise bearers and line systems which consist of electronics and interconnecting cable. The distribution component encompasses costs of SDH/MSH bears between Tier 1.5 to 4 and PDH line systems with a bit rate between 2 and 34 Mbit/s, within the core network (excluding local ends and links to terminating ends).</i>
Customer(s): <i>BT Retail and Other Communication Providers</i>
Price list entry: <i>Section B8</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: <i>Partial and Private Circuits 140/155mbit/s – local end</i>
Market: <i>Traditional interface symmetric broadband origination (above 8Mbit/s up to and including 155Mbit/s)</i>
Market review: <i>Review of the retail leased lines, symmetric broadband origination and wholesale trunk segments markets.</i>
Service Offering: <u>Outline of Service</u> <i>A Partial Private Circuit operating at 140/155mbit/s is a wholesale circuit from a Third Party Customer Link to a Public Electronic Communications Networks'(PECN) Point of Handover (PoH).</i> <i>The local end' service will be from a Third Party Customer site across the Local Access Network to the terminating equipment at the serving exchange.</i> <u>Key Features & Availability</u> <i>The Local End covers the distance from the Third Party Customers site to the BT Serving Exchange. This service can be brought in conjunction with link and length services which provide onward connection to the SDH Network BT Serving Node used for connection to the PECN.</i> <i>Further technical specification regarding the bearer and how the service will be presented at the PoH can be found within Supplier Information Notes (SIN) 254 'KiloStream Aggregate Interface Service Description'. SIN documents can be found at: - www.sinet.bt.com.</i>
Customer(s): <i>BT Retail and Other Communication Providers</i>
Price list entry: <i>Section B8</i> (http://www.btwholesale.com/pricing)

BT Wholesale Catalogue

Service: <i>Wholesale and LAN Extension Services</i>
Market: <i>Alternative Interface Symmetric Broadband Origination (all bandwidths)</i>
Market review: <i>Review of the retail leased lines, symmetric broadband origination and wholesale trunk segments markets.</i>
Service Offering: <u>Outline of Service</u> <i>Wholesale Extension Service (WES) – High speed, point to point data circuits which are available 24 hours, 365 days per year which are run over fibre to provide a secure link between a third party customer site and the communication providers network.</i> <i>This service is available at various bandwidths from 10Mb up.</i> <i>This service is run over a point to point fibre with associated electronics at either end.</i> <i>Further technical specification can be found within Supplier Information Notes (SIN) SIN documents can be found at: - www.sinet.bt.com.</i> <i>LAN extension service (LES) – High speed, point to point data circuits which are available 24 hours, 365 days per year which are run over fibre to provide a secure link between two third party customer sites.</i> <i>This service is available at various bandwidths from 10Mb up.</i> <i>This service is run over a point to point fibre with associated electronics at either end.</i> <i>Further technical specification can be found within Supplier Information Notes (SIN) SIN documents can be found at: - www.sinet.bt.com.</i>
Customer(s): <i>WES: BT Retail and Other Communication Providers, LES: BT Global</i>
Price list entry: <i>Section B8</i> http://www.openreach.co.uk/orpg/pricing/wesandbes.do

BT Wholesale Catalogue

Service: <i>Backhaul Extension Services (BES)</i>
Market: <i>Alternative Interface Symmetric Broadband Origination (all bandwidths)</i>
Market review: <i>Review of the retail leased lines, symmetric broadband origination and wholesale trunk segments markets.</i>
Service Offering: <u>Outline of Service</u> <i>Backhaul extension Service (BES) - High speed, point to point data circuits which are available 24 hours, 365 days per year which are run over fibre to provide a secure link between a LLU's operators equipment at an unbundled MDF site and a site within an operators own network.</i> <i>This service is available at various bandwidths from 10Mb up.</i> <i>This service is run over a point to point fibre with associated electronics at either end.</i> <i>Further technical specification can be found within Supplier Information Notes (SIN) SIN documents can be found at: - www.sinet.bt.com.</i>
Customer(s): <i>BT Global</i>
Price list entry: <i>Section B8</i> (http://www.openreach.co.uk/orpg/pricing/wesandbes.do)

BT Wholesale Catalogue

Service: Partial Private circuits 2mbit/s - Trunk
Market: Wholesale Trunk segments
Market review: <i>Review of the retail leased lines, symmetric broadband origination and wholesale trunk segments markets.</i>
Service Offering: <i>A Partial Private Circuit operating at 2mbit/s is a wholesale circuit from a Third Party Customer Link to a Public Electronic Communications Networks' (PECN) Point of Handover (PoH).</i> <i>The trunk service will be from the nearest SDH BT servicing node to the Third Party Customer site across the Local Access Network to the terminating equipment at the serving exchange.</i> <u>Outline of Service</u> <i>The service covers the distance from the nearest SDH BT Serving Node to Third Party customer site across the BT network to an agreed PECN Point of Handover.</i> <i>Charges for this service are per km.</i>
Customer(s): <i>BT Retail and Other Communication Providers</i>
Price list entry: <i>Section B8</i> (http://www.btwholesale.com/pricing)

BT Wholesale Catalogue

Service: <i>Partial Private circuits 34/45mbit/s - Trunk</i>
Market: <i>Wholesale trunk segments</i>
Market review: <i>Review of the retail leased lines, symmetric broadband origination and wholesale trunk segments markets.</i>
Service Offering: <i>A Partial Private Circuit operating at 34/45mbit/s is a wholesale circuit from a Third Party Customer Link to a Public Electronic Communications Networks' (PECN) Point of Handover (PoH).</i> <i>The trunk service will be from the nearest SDH BT servicing node to the Third Party Customer site across the Local Access Network to the terminating equipment at the serving exchange.</i> <u>Outline of Service</u> <i>The service covers the distance from the nearest SDH BT Serving Node to Third Party customer site across the BT network to an agreed PECN Point of Handover.</i> <i>Charges for this service are per km.</i>
Customer(s): <i>BT Retail and Other Communication Providers</i>
Price list entry: <i>Section B8</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: Partial Private circuits 140/155mbit/s - Trunk
Market: Wholesale trunk segments
Market review: <i>Review of the retail leased lines, symmetric broadband origination and wholesale trunk segments markets.</i>
Service Offering: <i>A Partial Private Circuit operating at 140/155mbit/s is a wholesale circuit from a Third Party Customer Link to a Public Electronic Communications Networks' (PECN) Point of Handover (PoH).</i> <i>The trunk service will be from the nearest SDH BT servicing node to the Third Party Customer site across the Local Access Network to the terminating equipment at the serving exchange.</i> <u>Outline of Service</u> <i>The service covers the distance from the nearest SDH BT Serving Node to Third Party customer site across the BT network to an agreed PECN Point of Handover.</i> <i>Charges for this service are per km.</i>
Customer(s): <i>BT Retail and Other Communication Providers</i>
Price list entry: <i>Section B8</i> (http://www.btwholesale.com/pricing)

BT Wholesale Catalogue

Service: Partial Private circuits 622mbit/s - Trunk
Market: Wholesale trunk segments
Market review: <i>Review of the retail leased lines, symmetric broadband origination and wholesale trunk segments markets.</i>
Service Offering: <i>A Partial Private Circuit operating at 622 mbit/s is a wholesale circuit from a Third Party Customer Link to a Public Electronic Communications Networks' (PECN) Point of Handover (PoH).</i> <i>The trunk service will be from the nearest SDH BT servicing node to the Third Party Customer site across the Local Access Network to the terminating equipment at the serving exchange.</i> <u>Outline of Service</u> <i>The service covers the distance from the nearest SDH BT Serving Node to Third Party customer site across the BT network to an agreed PECN Point of Handover.</i> <i>Charges for this service are per km.</i>
Customer(s): <i>BT Retail and Other Communication Providers</i>
Price list entry: <i>Section B8</i> (http://www.btwholesale.com/pricing)

BT Wholesale Catalogue

Service: <i>Point of Handover (PoH)</i>
Market: <i>Technical areas (as necessary, including fixed and per km variants)</i>
Market review: <i>Review of the retail leased lines, symmetric broadband origination and wholesale trunk segments markets</i>
Service Offering: <i>The Point of Handover (PoH) is a high bandwidth connection between the PECN's network and the serving SDH node in the BT network.</i> <i>The high-capacity PoH infrastructure is supplied as either In-Span Handover (ISH), In-Span Handover Extension (ISH Extn) or Customer Sited Handover (CSH). Multiple circuits can be handed over at a single PoH. When providing CSH, BT delivers services to the premises of its wholesale customers.</i> <i>When providing ISH, BT and the wholesale customer connect their networks at a notional mid-point. Circuits are available at the following bandwidths: 64Kbit/s; n x 64Kbit/s; 1Mbit/s; 2Mbit/s; 34Mbit/s; 45Mbit/s; 140Mbit/s and 155Mbit/s</i> <i>Also includes:</i> <i>The PoH infrastructure charge is based on the infrastructure build costs for either the ISH or CSH and includes a small annual rental charge. Specifically it includes maintenance and depreciation of Add Drop Muxes provided for PoH.</i>
Customer(s): <i>BT Retail and Other Communication Providers</i>
Price list entry: <i>Section B8.01</i> (http://www.btwholesale.com/pricing)

BT Wholesale Catalogue

Service: <i>Wholesale IDD to category B</i>
Market: <i>Wholesale IDD to category B</i>
Market review: <i>Review of International Wholesale Services</i>
Service Offering: <i>Call duration for a call conveyed to an ISC (International Switching Centre) that originates from interconnect at either Tandem Exchange or at the ISC switch .</i> <i>Includes call set – up (establishing a network end to end path) and call duration (holding the path open for the time the link is open) and can utilise the following elements; Tandem Switching, Tandem to Tandem Transmission Link & Length.</i> <i>Also includes :</i> <i>a) Engineering and network support activity.</i> <i>b) Reactive and preventative maintenance including testing and fault handling.</i> <i>c) Sales, General & Admin.</i>
Customer(s): <i>BT Retail and Other Communication Providers</i>
Price list entry: <i>Section B1.04</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: <i>Asymmetric broadband origination in the UK (excluding the Hull area) - Rental</i>
Market: <i>Asymmetric broadband origination in the UK</i>
Market review: <i>Review of the wholesale broadband access market.</i>
Service Offering: <i>Asymmetrical Digital Subscriber Line Rental for the access network.</i> <i>Includes:</i> <ul style="list-style-type: none"><i>a) DSLAM (Digital Subscriber Line Access Multiplexer)</i><i>b) Maintenance of the Access Local Loop</i><i>c) Line test equipment</i><i>d) Rental and maintenance of the exchange frame</i>
Customer(s): <i>BT Retail</i>
Price list entry: <i>Section 44</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: <i>Asymmetric broadband origination in the UK (excluding the Hull area) - Connection</i>
Market: <i>Asymmetric broadband origination in the UK</i>
Market review: <i>Review of the wholesale broadband access market.</i>
Service Offering: <i>Asymmetrical Digital Subscriber Line Connection for the access network. Enables Service Providers access to multiple End Users via Broadband enabled Local exchanges.</i> <i>Datastream provides “downstream” End User service options of: 500kbits, 1Mb and 2Mb</i> <i>Includes:</i> <ul style="list-style-type: none"><i>a) Jumpering</i><i>b) Customer Services Management</i><i>c) Developments</i><i>d) Overheads</i><i>e) Field Engineering costs – e.g. “DeDac”</i>
Customer(s): <i>BT Retail</i>
Price list entry: <i>Section 44</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: <i>Broadband conveyance in the UK</i>
Market: <i>Broadband conveyance in the UK</i>
Market review: <i>Review of the wholesale broadband access market.</i>
Service Offering: <i>Broadband conveyance in the UK (Datastream). Provides connectivity from the DSLAM in the Local Exchange to a Datastream Point Of Presence (POP) in BT's high speed data network.</i> <i>Includes:</i> <ul style="list-style-type: none"><i>a) Backhaul – STM 1 ~ STM 16</i><i>b) Virtual Paths – ATM switches and associated transmission of data.</i><i>c) Customer Access Link / In Span Handover</i>
Customer(s): <i>BT Retail</i>
Price list entry: <i>Section 36 Part 4 (Wholesale Service Provider Price List)</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: <i>Wholesale residential ISDN2 internal service connections</i>
Market: <i>Wholesale residential ISDN2 exchange line services</i>
Market review: <i>Fixed narrowband wholesale exchange line, call origination, conveyance & transit.</i>
Service Offering: <i>Connection of ISDN2 Residential exchange line(s) within defined service parameters. ISDN2 is a digital service that transforms the existing phone line by splitting its capacity into 2 channels allowing dual access.</i> <i>Includes:</i> <ul style="list-style-type: none"><i>a) All direct engineering activity and commissioning to complete connection to the customer premises from the Local Exchange concentrator</i><i>b) Engineering and network support activity</i><i>c) Sales, General & Administration</i>
Customer(s): <i>BT Retail</i>
Price list entry: <i>Section 36 Part 4 (Wholesale Service Provider Price List)</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: <i>Wholesale residential ISDN2 internal service rentals</i>
Market: <i>Wholesale residential ISDN2 exchange line services</i>
Market review: <i>Fixed narrowband wholesale exchange line, call origination, conveyance & transit.</i>
Service Offering: <i>Rental, repair and maintenance of ISDN2 Residential exchange line(s) within defined service parameters. ISDN2 is a digital service that transforms the existing phone line by splitting its capacity into 2 channels allowing dual access.</i> <i>Includes:</i> <ul style="list-style-type: none"><i>a) All direct engineering activity to complete maintenance to the customer premises from the Local Exchange concentrator</i><i>b) Engineering and network support activity</i><i>c) Reactive & preventative maintenance including line testing & fault handling</i><i>d) Sales, General & Administration</i><i>e) Usage of capital equipment required to make the physical connection from the customers premises to the local exchange concentrator (NTE, dropwire, D-side and E-side cabling, main distribution frame and line card)</i>
Customer(s): <i>BT Retail</i>
Price list entry: <i>Section 36 Part 4 (Wholesale Service Provider Price List)</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: <i>Wholesale residential external service rentals</i>
Market: <i>Wholesale residential ISDN2 exchange line services</i>
Market review: <i>Fixed narrowband wholesale exchange line, call origination, conveyance & transit.</i>
Service Offering: <i>Rental, repair and maintenance of ISDN2 Residential exchange line(s) within defined service parameters. ISDN2 is a digital service that transforms the existing phone line by splitting its capacity into 2 channels allowing dual access.</i> <i>Includes:</i> <i>a) All direct engineering activity to complete maintenance to the customer premises from the Local Exchange concentrator</i> <i>b) Engineering and network support activity</i> <i>c) Reactive & preventative maintenance including line testing & fault handling</i> <i>d) Sales, General & Administration</i>
Customer(s): <i>Service Providers</i>
Price list entry: <i>Section 36 Part 4 (Wholesale Service Provider Price List)</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: <i>Wholesale business ISDN30 internal service connections</i>
Market: <i>Wholesale business ISDN30 exchange line services</i>
Market review: <i>Fixed narrowband wholesale exchange line, call origination, conveyance & transit.</i>
Service Offering: <i>Connection of ISDN30 digital exchange line(s) within defined service parameters. ISDN30 is a digital service that transforms the existing phone line by splitting its capacity channels allowing multiple access.</i> <i>Includes:</i> <i>a) All direct engineering activity and commissioning to complete connection to the customer premises from the Local Exchange concentrator</i> <i>b) Engineering and network support activity</i> <i>c) Specific Sales, General & Administration</i>
Customer(s): <i>BT Retail</i>
Price list entry: <i>Section 36 Part 5 (Wholesale Service Provider Price List)</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: <i>Wholesale business ISDN30 internal service rentals</i>
Market: <i>Wholesale business ISDN30 exchange line services</i>
Market review: <i>Fixed narrowband wholesale exchange line, call origination, conveyance & transit.</i>
Service Offering: <i>Maintenance of ISDN30 digital exchange line(s) within defined service parameters. ISDN30 is a digital service that transforms the existing phone line by splitting its capacity channels allowing multiple access.</i> <i>Includes:</i> <i>a) Engineering and network support activity</i> <i>b) Reactive & preventative maintenance including line testing & fault handling</i> <i>c) Specific Sales, General & Administration</i>
Customer(s): <i>BT Retail</i>
Price list entry: <i>Section 36 Part 5 (Wholesale Service Provider Price List)</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: <i>Wholesale business ISDN30 external service connections</i>
Market: <i>Wholesale business ISDN30 exchange line services</i>
Market review: <i>Fixed narrowband wholesale exchange line, call origination, conveyance & transit.</i>
Service Offering: <i>Connection of ISDN30 digital exchange line(s) within defined service parameters. ISDN30 is a digital service that transforms the existing phone line by splitting it's capacity channels allowing multiple access</i> <i>Includes:</i> <ul style="list-style-type: none"><i>a) All direct engineering activity and commissioning to complete connection to the customer premises from the Local Exchange concentrator</i><i>b) Engineering and network support activity</i><i>c) Order handling and progression</i><i>d) Sales, General & Administration</i>
Customer(s): <i>Service Providers</i>
Price list entry: <i>Section 36 Part 5 (Wholesale Service Provider Price List)</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: <i>Wholesale business ISDN30 external service rentals</i>
Market: <i>Wholesale business ISDN30 exchange line services</i>
Market review: <i>Fixed narrowband wholesale exchange line, call origination, conveyance & transit.</i>
Service Offering: <i>Rental, repair and maintenance of ISDN30 digital exchange line(s) within defined service parameters. ISDN30 is a digital service that transforms the existing phone line by splitting it's capacity channels allowing multiple access</i> <i>Includes:</i> <i>a) All direct engineering activity to complete maintenance to the customer premises from the Local Exchange concentrator</i> <i>b) Engineering and network support activity</i> <i>c) Reactive & preventative maintenance including line testing & fault handling</i> <i>d) Sales, General & Administration</i>
Customer(s): <i>Service Providers</i>
Price list entry: <i>Section 36 Part 5 (Wholesale Service Provider Price List)</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: <i>Wholesale business ISDN30 internal service takeovers</i>
Market: <i>Wholesale business ISDN30 exchange line services</i>
Market review: <i>Fixed narrowband wholesale exchange line, call origination, conveyance & transit.</i>
Service Offering: <i>Takeover of previously stopped exchange lines.</i> <i>Includes:</i> <i>a) Instances of where SP's request a new provision but BT can start a stopped line</i>
Customer(s): <i>BT Retail</i>
Price list entry: <i>Section 36 Part 5 (Wholesale Service Provider Price List)</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: <i>Wholesale business ISDN30 external service transfers</i>
Market: <i>Wholesale business ISDN30 exchange line services</i>
Market review: <i>Fixed narrowband wholesale exchange line, call origination, conveyance & transit.</i>
Service Offering: <i>Transfer between Service Providers of an ISDN30 business exchange line(s) within defined service parameters. ISDN30 is a digital service that transforms the existing phone line by splitting it's capacity channels allowing multiple access.</i> <i>Includes:</i> <i>a) All direct engineering activity to complete transfer of the line(s) from SP to SP</i> <i>b) Engineering and network support activity</i> <i>c) Sales, General & Administration</i>
Customer(s): <i>Service Providers</i>
Price list entry: <i>Section 36 Part 5 (Wholesale Service Provider Price List)</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: <i>SMPF/MPF Set Up</i>
Market: <i>Wholesale local access in UK (excluding the Hull area)</i>
Market review: <i>Review of the wholesale broadband access market.</i>
Service Offering: <i>To provide floor space for LLU operators to set up their equipment.</i> <i>Includes:</i> <ul style="list-style-type: none">• <i>Contractor's cost for room clearance.</i>
Customer(s): <i>Other Communication Providers</i>
Price list entry: <i>Section B6.03</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: <i>MPF Connections</i>
Market: <i>Wholesale local access in UK (excluding the Hull area)</i>
Market review: <i>Review of the wholesale broadband access market.</i>
Service Offering: <i>Provision of two wire point to point metallic transmission path extending from Network terminating point at the End User premises to the Line side of the MDF.</i>
Customer(s): <i>Other Communication Providers</i>
Price list entry: <i>Section B6.03</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: <i>MPF Rentals</i>
Market: <i>Wholesale local access in UK (excluding the Hull area))</i>
Market review: <i>Review of the wholesale broadband access market.</i>
Service Offering: <i>On going use maintenance of two wire point to point metallic transmission path extending from Network terminating point at the End User premises to the Line side of the MDF.</i>
Customer(s): <i>Other Communication Providers</i>
Price list entry: <i>Section B6.03</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: <i>MPF Room Build</i>
Market: <i>Wholesale local access in UK (excluding the Hull area)</i>
Market review: <i>Review of the wholesale broadband access market.</i>
Service Offering: <i>Building of co-mingling bays to enable LLU operators to install their equipment.</i> <i>Includes:</i> <ul style="list-style-type: none">• <i>Erection of iron work.</i>• <i>Provision of power and cooling</i>• <i>Lighting</i>• <i>Rack space</i>• <i>Cable runway</i>
Customer(s): <i>Other Communication Providers</i>
Price list entry: <i>Section B6.03</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: <i>MPF Hostel Rentals</i>
Market: <i>Wholesale local access in UK (excluding the Hull area)</i>
Market review: <i>Review of the wholesale broadband access market.</i>
Service Offering: <i>Charges for service and maintenance Co-mingling.</i>
Customer(s): <i>Other Communication Providers</i>
Price list entry: <i>Section B6.03</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: <i>MPF Tie Cables</i>
Market: <i>Wholesale local access in UK (excluding the Hull area)</i>
Market review: <i>Review of the wholesale broadband access market.</i>
Service Offering: <i>Internal tie cables provide connectivity from the Handover distribution frame (HDF) located in the LLU operator equipment space to the Main Distribution Frame (MDF).</i>
Customer(s): <i>Other Communication Providers</i>
Price list entry: <i>Section B6.03</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: <i>SMPF Connections</i>
Market: <i>Wholesale local access in UK (excluding the Hull area)</i>
Market review: <i>Review of the wholesale broadband access market.</i>
Service Offering: <i>Provision of access to non voice frequency spectrum of a metallic path over which analogue telephone service is then provided to the end user by BT allowing an operator to deploy technology such as ADSL over the same metallic pair.</i>
Customer(s): <i>Other Communication Providers</i>
Price list entry: <i>Section B6.03</i> http://www.btwholesale.com/pricing

BT Wholesale Catalogue

Service: <i>SMPF Rentals</i>
Market: <i>Wholesale local access in UK (excluding the Hull area)</i>
Market review: <i>Review of the wholesale broadband access market.</i>
Service Offering: <i>Maintenance of access to non voice frequency spectrum of a metallic path over which analogue telephone service is then provided to the end user by BT allowing an operator to deploy technology such as ADSL over the same metallic pair.</i>
Customer(s): <i>Other Communication Providers</i>
Price list entry: http://www.openreach.co.uk/orpg/pricing/lluprices.do