

**eircom**  
**Network Price List**  
(formerly the eircom RIO Network Price List)

This *eircom* Network Price List is effective from 1st April 2010 and is published on the *eircom* Wholesale web site.

This list contains details of the network services detailed in Annex C of the *eircom* Reference Interconnect Offer and/or Annex C of the Leased Line Reference Offer.

## Version Status Report

<b>Version</b>	<b>Status</b>	<b>Source</b>	<b>Effective Date</b>
<b>3.7</b>	<b>Approved</b>	Addition of pricing for Wholesale Ethernet Interconnect Link (Service Schedule 013) and Wholesale Symmetrical Ethernet Access (Service Schedule 014)	<b>03/08/2010</b> <b>(Note: Version 3.7 Fully withdrawn pre launch)</b>
<b>3.7A</b>	<b>Approved</b>	Revised pricing for Wholesale Ethernet Interconnect Link (Service Schedule 013) and Wholesale Symmetrical Ethernet Access (Service Schedule 014)	<b>16/08/2010</b>
<b>3.8</b>	<b>Approved</b>	Addition of pricing for Wholesale Symmetrical Ethernet Access Traffic Based Class of Service (Service Schedule 014)	<b>14/09/2010</b>
<b>3.9</b>	<b>Approved</b>	Revised pricing for Interconnect and Partial Private Circuit Transport Links (Service Schedule 001), Revised pricing for End User Links (Service Schedule 003) and ), Revised pricing for Ethernet Access Circuits (Service Schedule 008)	<b>01/01/2011</b>
<b>4.0</b>	<b>Approved</b>	Revised 1 Gbps WEIL ISH & IBH connection and rentals Addition of 10 Gbps WEIL ISH & IBH connection and rentals	<b>16/03/11</b>
<b>4.1</b>	<b>Approved</b>	Revised PPC EUL Local Access Charges	<b>01/07/2011</b>
<b>4.2</b>	<b>Approved</b>	Addition of QIB & PIB pricing for WEIL IBH	<b>21/04/2011</b>
<b>4.3</b>	<b>Approved</b>	Revised to PPC EUL rental charges. Addition of text re Connections (Service Schedules 008, 010 & 012). Addition of text re Cancellations (Service Schedules 013 & 014). Revised Service Schedule 013 to include WEIL ENH. Revised Service Schedule 014 to include WSEA pricing to a WEIL Edge Node handover (ENH).	<b>01/07/2011</b>   <b>01/06/11</b>  <b>01/06/11</b>
<b>4.4</b>	<b>Approved</b>	Node Reach rentals price change	<b>01/07/11</b>
<b>4.5</b>	<b>Approved</b>	Revised Interconnect Path rental charges Addition of text re Connections (Service Schedule 014)	<b>01/10/2011</b>
<b>4.6</b>	<b>Approved</b>	PPC EUL connection promotion Leased Line connection promotion	<b>01/11/2011</b> <b>01/11/2011</b>
<b>4.7</b>	<b>Approved</b>	Revised pricing for PPC Transport Links (Service Schedule 001)	<b>01/10/2011</b>
<b>4.8</b>	<b>Approved</b>	Increased EF & AF limits (Service Schedule 014)	<b>01/10/2011</b>
<b>4.9</b>	<b>Approved</b>	Addition of WSEA IBH connection and rental charges plus QIB & PIB pricing (Service Schedule 014)	<b>11/11/2011</b>
<b>5.0</b>	<b>Approved</b>	Addition of Wholesale Local Loop Unbundling Backhaul (Service Schedule 015)	<b>02/12/2011</b>
<b>5.1</b>	<b>Approved</b>	Addition of WSEA Option 6 (Service Schedule 014)	<b>06/01/2012</b>
<b>5.2</b>	<b>Approved</b>	Addition of WEIL ENH 1+1 protection (Service Schedule 013)	<b>20/01/2012</b>
<b>5.3</b>	<b>Approved</b>	PPC EUL connection promotion Leased Line connection promotion	<b>01/05/2012</b> <b>01/05/2012</b>
<b>5.4</b>	<b>Approved</b>	100% AF to 1Gb (Services Schedule 014) Addition of WEIL and WSEA Diversity connection, rental and survey charges (Service Schedules 013 & 014) Removal of 4km limit and associated card costs (Service Schedules 013 & 014) Re-format of WEIL Edge Node Handover (Service Schedule 013) Revision of Cancellation Charges Text	<b>29/06/2012</b>  <b>29/06/2012</b>  <b>29/06/2012</b>  <b>29/06/2012</b>  <b>29/06/2012</b>
<b>5.5</b>	<b>Approved</b>	Revised WSEA Pricing (Circuit & Traffic Based) Revised Local Loop Unbundling Backhaul Rentals	<b>25/08/2012</b> <b>25/08/2012</b>
<b>5.6</b>	<b>Approved</b>	Interconnect Path Price Changes (Service Schedule 002)	<b>01/11/2012</b>

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Prices are effective from the date indicated on this Price List. Where applicable, tables indicate the time frames for which a charge is valid with 'effective from' and 'effective to' dates shown. Where no dates are indicated, the prices are effective from 15th July 2003 but many of the listed rates have been effective for some time prior to that date. This *eircom* Network Price List will be updated and republished from time to time.

Operators will be notified when changes are made to the Network Price List published on *eircom*'s website.

The charges relevant to each service are listed in Euro.

**Service Schedule 001**  
**Interconnect and Partial Private Circuit Transport Links**

**1. Charging for STMx CSH Transport Links**

1.1.1 The charges for STM1 CSH Transport Links shall comprise of both installation and annual maintenance elements as set out below.

**Table 1**

Element	Charge	Effective from	Effective to
	EURO		
Paper Migration of existing path	1811.11		
New Connection	2352.33		30/09/2009
New Connection	2187.66	01/10/2009	31/03/2010
New Connection	2078.27	01/04/2010	31/12/2010
New Connection	1974.35	01/01/2011	
New Connection with 1+1 Card protection	2428.22		30/09/2009
New Connection with 1+1 Card protection	2263.55	01/10/2009	31/03/2010
New Connection with 1+1 Card protection	2150.37	01/04/2010	31/12/2010
New Connection with 1+1 Card protection	2042.85	01/01/2011	
New Connection with n+1 Card Protection	2395.23		30/09/2009
New Connection with n+1 Card Protection	2230.56	01/10/2009	31/03/2010
New Connection with n+1 Card Protection	2119.03	01/04/2010	31/12/2010
New Connection with n+1 Card Protection	2013.07	01/01/2011	
New Connection 1+1 Card Protection on existing Transport Link	269.85		
New Connection n+1 Card Protection on existing Transport Link	236.86		
Annual Rental (Up to 1.5km)	15,105		30/06/2006
Annual Rental (Up to 1.5km)	11,329	01/07/2006	30/09/2011
Annual Rental (Up to 1.5km)	8,702	01/10/2011	
Annual Rental per additional 100 metres or part thereof	504		30/06/2006
Annual Rental per additional 100 metres or part thereof	378	01/07/2006	30/09/2011
Annual Rental per additional 100 metres or part thereof	154	01/10/2011	
Annual Rental for 1+1 Card Protection	404		
Annual Rental for n+1 Card Protection	202		

1.1.2 The charges for STM4 CSH Transport Links shall comprise of both installation and annual maintenance elements as set out below.

**Table 2**

Element	Charge	Effective from	Effective to
	EURO		
Paper Migration of existing path	1811.11		
New Connection	2352.33		30/09/2009
New Connection	2187.66	01/10/2009	31/03/2010
New Connection	2078.27	01/04/2010	31/12/2010
New Connection	1974.35	01/01/2011	
New Connection with 1+1 Card Protection	2428.22		30/09/2009
New Connection with 1+1 Card Protection	2263.55	01/10/2009	31/03/2010
New Connection with 1+1 Card Protection	2150.37	01/04/2010	31/12/2010
New Connection with 1+1 Card Protection	2042.85	01/01/2011	
New Connection for 1+1 Card Protection on existing Transport Link	269.85		
Annual Rental (Up to 1.5km)	19,147		30/06/2006
Annual Rental (Up to 1.5km)	14,360	01/07/2006	30/09/2011
Annual Rental (Up to 1.5km)	11,057	01/10/2011	
Annual Rental per additional 100 metres or part thereof	504		30/30/06
Annual Rental per additional 100 metres or part thereof	378	01/07/2006	30/09/2011
Annual Rental per additional 100 metres or part thereof	154	01/10/2011	
Annual Rental for 1+1 Card Protection	712		

1.1.3 The charges for STM16 CSH Transport Links shall comprise of both installation and annual maintenance elements as set out below.

**Table 3**

Element	Charge	Effective from	Effective to
	EURO		
Paper Migration of existing path	1,811.11		
New Connection	2,352.33		30/09/2009
New Connection	2,187.66	01/10/2009	31/03/2010
New Connection	2078.27	01/04/2010	31/12/2010
New Connection	1974.35	01/01/2011	
New Connection with 1+1 Card Protection	2,428.22		30/09/2009
New Connection with 1+1 Card Protection	2,263.55	01/10/2009	31/03/2010
New Connection with 1+1 Card Protection	2150.37	01/04/2010	31/12/2010
New Connection with 1+1 Card Protection	2042.85	01/01/2011	
New Connection for 1+1 Card Protection on existing Transport Link	269.85		
Annual Rental (Up to 1.5km) STM-16	18,541	30/07/2007	30/09/2011
Annual Rental (Up to 1.5km) STM-16	14,277	01/10/2011	
Annual Rental per additional 100 metres or part thereof	378		30/09/2011
Annual Rental per additional 100 metres or part thereof	154	01/10/2011	
Annual Rental for 1+1 Card Protection	1,279		

## 1.2 Charging for In-span Hand-over of Transport Links

- 1.2.1 The charges for ISH Transport Links, transferred from existing ISI Interconnect Capacity, shall comprise of both connection and annual maintenance elements as set out in Table 3 below.

**Table 4**

In-span service provided	Paper Migration Charge	Annual Maintenance
	EURO	EURO
STM1 Capacity	1790.49	1,054
Additional charge per 50m	0	53
STM 4 Capacity	1790.49	1,656
Additional charge per 50m	0	53

- 1.2.2 The charges for ISH Transport Links, delivered as new capacity, shall comprise of both connection and annual maintenance elements as set out in Table 4 below.

**Table 5**

In-span service provided	Connection Fee	Annual Maintenance	Effective from	Effective to
	EURO	EURO		
STM1 Capacity	18,337.71	1,054		30/06/2006
STM1 Capacity	16,962	1,054	01/07/2006	30/09/2009
STM1 Capacity	15,775	1,054	01/10/2009	31/03/2010
STM1 Capacity	14986	1,054	01/04/2010	31/12/2010
STM1 Capacity	14236.70	1,054	01/01/2011	
Additional charge per 50m	801	53		30/09/2009
Additional charge per 50m	745	53	01/10/2009	31/03/2010
Additional charge per 50m	707	53	01/04/2010	31/12/2010
Additional charge per 50m	671.65	53	01/01/2011	
STM 4 Capacity	27,483.71	1,656		30/06/2006
STM 4 Capacity	25,422	1,656	01/07/2006	30/09/2009
STM 4 Capacity	23,642	1,656	01/10/2009	31/03/2010
STM 4 Capacity	22459	1,656	01/04/2010	31/12/2010
STM 4 Capacity	21336.05	1,656	01/01/2011	
STM 16 Capacity	37,175	2,302	30/07/2007	30/09/2009
STM 16 Capacity	34,573	2,302	01/10/2009	31/03/2010
STM 16 Capacity	32844	2,302	01/04/2010	31/12/2010
STM 16 Capacity	31201.80	2,302	01/01/2011	
Additional charge per 50m	801	53		30/09/2009
Additional charge per 50m	745	53	01/10/2009	31/03/2010
Additional charge per 50m	707	53	01/04/2010	31/12/2010
Additional charge per 50m	671.65	53	01/01/2011	

### 1.3 Charging for 2Mbit/s Transport Links

The charges for 2Mbit/s Transport Links are as set out below:

**Table 6**

Element	Charge	Effective from	Effective to
	EURO		
Paper Migration of existing path	173.55		
New Connection	561.03		30/09/2009
New Connection	521.76	01/10/2009	31/03/2010
New Connection	495.67	01/04/2010	31/12/2010
New Connection	470.88	01/01/2011	
Annual Rental (Up to 1.5km)	3,174		30/06/2006
Annual Rental (Up to 1.5km)	2,763	01/07/2006	30/09/2011
Annual Rental (Up to 1.5km)	2,269	01/10/2011	
Annual Rental per additional 100 metres or part thereof	0**		

\*\*There is no additional charge after 1.5km but service delivery may be limited by the range available from the HDSL modem and copper pairs.

### 1.4 Charging for 2Mbit/s Subsidiary Links

The charges for 2Mbit/s Subsidiary Links, also referred to as Channelised E1 Links, are as set out below:

**Table 7**

Element	Charge	Effective from	Effective to
	EURO		
New Connection	303.96		30/09/2009
New Connection	282.68	01/10/2009	31/03/2010
New Connection	268.54	01/04/2010	31/12/2010
New Connection	255.11	01/01/2011	

## 1.5 Charging for PPC STMx Transport Link Protection

The connection charges for PPC STM1, STM4 and STM-16 Transport Link Protection are set out below:

**Table 8**

Option	Transport Link Bandwidth	Connection	Effective from
		EURO	16/09/05
1	STM1	2,352	16/09/05
1	STM4	2,352	16/09/05
1	STM16	2,352	30/07/07
2	STM1	31,247	16/09/05
2	STM4	43,393	16/09/05
2	STM16	53,676	30/07/07
3	STM1	16,799	16/09/05
3	STM4	22,873	16/09/05
3	STM16	28,041	30/07/07
4	STM1	31,247	16/09/05
4	STM4	43,393	16/09/05
4	STM16	53,676	30/07/07
5	STM1	16,799	16/09/05
5	STM4	22,873	16/09/05
5	STM16	28,014	30/07/07
6	STM1	2,242	16/09/05
6	STM4*	3,552	16/09/05
6	STM16	4,523	30/07/07
7	STM1	5,913	16/09/05
7	STM4*	7,223	16/09/05
7	STM16	7,643	30/07/07
Card Protection	STM1	2,352	16/09/05
Card Protection	STM4 & STM-16	2,352	16/09/05

Additional connection charges per 50 metres or part thereof for PPC ISH STM4 Transport Link Protection are set out below:

**Table 9**

Option	Transport Link Bandwidth	Connection Charge	Effective from
6	STM 4	801	16/09/05
7	STM 4	801	16/09/05



The local end and main link charges for PPC STM1, STM4 and STM-16 Transport Link Protection are set out below:

**Table 10**

Option	Transport Link Bandwidth	Local end to 1.5km	Local end >1.5km per 100m	Main Link Access	Main Link Distance per km	Effective from
1	STM1	4126	504			16/09/05
1	STM4	4953	504			16/09/05
<u>3</u>	STM16	<u>5597</u>	<u>504</u>			30/07/07
2	STM1	7172	504			16/09/05
2	STM4	8909	504			16/09/05
2	STM16	11,976	504			30/07/07
3	STM1	5106	504			16/09/05
<u>3</u>	STM4	5973	504			16/09/05
<u>3</u>	STM16	<u>6,795</u>	<u>504</u>			30/07/07

**Table 11**

Option	Transport Link Bandwidth	Local end to 0.5km	Local end >0.5km per 100m	Main Link Access	Main Link Distance per km	Effective from
4	STM1	<u>6936</u>	<u>504</u>	<u>4595</u>	<u>474</u>	16/09/05
4	STM4	<u>7544</u>	<u>504</u>	<u>7666</u>	<u>752</u>	16/09/05
<u>4</u>	STM16	<u>8002</u>	<u>504</u>	<u>9271</u>	<u>902</u>	30/07/07

**Table 12**

Option	Transport Link Bandwidth	Local end to 1.5km	Local end >1.5km per 100m	Main Link Access	Main Link Distance per km	Effective from
5	STM1	10287	504	4595	474	16/09/05
5	STM4	10890	504	7666	752	16/09/05
<u>5</u>	STM16	<u>11,976</u>	<u>504</u>	<u>9271</u>	<u>902</u>	30/07/07
Card Protection	STM1	4126	504			16/09/05
Card Protection	STM4	4953	504			16/09/05
Card Protection	STM16	<u>6957</u>	<u>504</u>			30/07/07

The survey charges for PPC STM1, STM4 and STM-16 Transport Link Protection are set out below:

**Table 13**

Option	Element	Charge	Effective from
All Options	Desk Survey	250	16/09/05
All Options	Site Survey	1000	16/09/05

**Service Schedule 002**  
**Interconnect Paths**

**1. *eircom* Interconnect Path Charges for Customer Sited Interconnection**

For each of the initial two Interconnect Paths from any Operator Interconnect Node to any *eircom* Interconnect Node the charges shall be as set out below. The rationale for separate charging for the initial two Interconnect Paths is set out in Appendix 2 of Service Schedule 002, which should be read in conjunction with the Technical Manual.

**Table 1**

Element	Charge	Effective from	Effective to
	€		
Transmission Connection	1,733.19		31/12/2003
Intra-building Connection	126.97		31/12/2003
Connection Fee	776.78	01/01/2004	
Local End rental per annum (up to 1.5km)	2,571.22		
Local End Rental above 1.5km per 100m	184.11		
Main Link rental per annum	1,706.53		31/10/2012
Main Link rental per annum	1,346.00	01/11/2012	
Main Link Distance rental per km per annum 1 –30 km	298.39	-	31/12/2003
Main Link Distance rental per km per annum 1 –30 km	194	01/01/2004	30/09/2009
Main Link Distance rental per km per annum 1 –20 km	194	01/10/2009	30/09/2011
Main Link Distance rental per km per annum 1 – 30 km	176	01/10/2011	
Main Link Distance rental per km per annum above 30 km	90.15	-	31/12/2003
Main Link Distance rental per km per annum above 30 km	104	01/01/2004	30/09/2009
Main Link Distance rental per km per annum above 20 km	104	01/10/2009	30/09/2011
Main Link Distance rental per km per annum above 30 km	104	01/10/2011	
Intra-building rental per annum	1,848.74		31/10/2012
Intra-building rental per annum	924.00	01/11/2012	

1.2 For each additional Interconnect Path on an existing Interconnect Link the charges are as set out below:

**Table 2**

Element	Charge	Effective from	Effective to
	€		
Transmission Connection	1,733.19		31/12/2003
Intra-building Connection	126.97		31/12/2003
Connection Fee	776.78	01/01/2004	
Local End rental per annum	2,571.22		
Local End Rental above 1.5km per 100m	184.11		
Main Link rental per annum	1,706.53		31/10/2012
Main Link rental per annum	1,346.00	01/11/2012	
Main Link Distance rental per km per annum 1 –30 km	298.39	-	31/12/2003
Main Link Distance rental per km per annum 1 –30 km	195	01/01/2004	30/09/2009
Main Link Distance rental per km per annum 1 –20 km	195	01/10/2009	30/09/2011
Main Link Distance rental per km per annum 1 – 30 km	176	01/10/2011	
Main Link Distance rental per km per annum above 30 km	90.15	-	31/12/2003
Main Link Distance rental per km per annum above 30 km	104	01/01/2004	30/09/2009
Main Link Distance rental per km per annum above 20 km	104	01/10/2009	30/09/2011
Main Link Distance rental per km per annum above 30 km	104	01/10/2011	
Intra-building rental per annum	1,544.00		31/10/2012
Intra-building rental per annum	772.00	01/11/2012	

1.3 The Local End rental per annum is applied when the level of utilisation of the transmission system in the access networks reaches the defined thresholds. Charges for Local End rental per annum are as set out below.

**Table 3**

Number of E1's utilised	Local End rental per annum up to	Local End rental per annum above
	EURO	EURO
1 – 20	2,571.22	184.11
21 – 30	1,930.00	114.28
31 and over	1,574.48	76.18

## 2. Charging for Interconnect Paths provided over Partial Private Circuit Transport Links

- 2.1 Charges for Interconnect Paths provided on a CSH or ISH Transport Link, excluding ISH Transport Links migrated from ISI Bearers, to the *eircom* Interconnect Node at which the Transport Link terminates are as set out below

**Table 4**

Element	Charge EURO	Effective from	Effective to
Paper migration of existing path	86.55		
Connection	288.06		
Circuit rental per annum	3,299		30/06/2006
Circuit rental per annum	3,038	01/07/2006	31/10/2012
Circuit rental per annum	2,150	01/11/2012	

- 2.2 Charges for Interconnect Paths provided on a Transport Link, excluding ISH Transport Links migrated from ISI Bearers, to an *eircom* Interconnect Node other than that at which the Transport Link terminates are as set out below.

**Table 5**

Element	Charge EURO	Effective from	Effective to
Paper migration of existing path	86.55		
Connection	288.06		
Main Link rental per annum	3,299		30/06/2006
Main Link rental per annum	3,038	01/07/2006	31/10/2012
Main Link rental per annum	2,150	01/11/2012	
Main Link Distance rental per km per annum 1 –30 km	195		30/09/2009
Main Link Distance rental per km per annum 1 –20 km	195	01/10/2009	30/09/2011
Main Link Distance rental per km per annum 1 – 30 km	176	01/10/2011	
Main Link Distance rental per km per annum above 30 km	104		30/09/2009
Main Link Distance rental per km per annum above 20 km	104	01/10/2009	30/09/2011
Main Link Distance rental per km per annum above 30 km	104	01/10/2011	

2.3 Charges for Interconnect Paths provided over Channelised STM 1 Interconnect Access, ISI Bearers or the ISH Transport Link after migration from ISI Bearer and terminating at the Interconnect Node at which the Transport Link or ISI Bearer terminates are set out below.

**Table 6**

Element	Charge	Effective from	Effective to
	EURO		
Paper migration of existing path	86.55		
Connection	288.06	01/01/2004	
Circuit rental per annum	2,274	01/01/2004	30/06/2006
Circuit rental per annum	2,094	01/07/2006	31/10/2012
Circuit rental per annum	1,550	01/11/2012	

\*this charge replaces both the “circuit rental per annum” and the “intra building rental per annum” charges raised under ISI pricing. This revised charge will apply from 1<sup>st</sup> January 2004 for those Interconnect Paths on Channelised STM1 Interconnect Access and ISI Bearers that have not migrated to CSH or ISH before that date. The charges that apply prior to that date are provided in Table 7 below.

**Table 7**

Element	Status	Charge EURO	Effective From	Effective to
Transmission Connection	All Paths	1,269.74		31/12/2003
Intra-building Connection	All Paths	126.97		31/12/2003
Circuit rental per annum	All Paths	876.12		31/12/2003
Intra-building rental per annum	Initial 2 Paths on Interconnect Link	1,848.74		31/12/2003
Intra-building rental per annum	Subsequent Paths	1,544.00		31/12/2003

2.3.1 Charges for interconnect paths provided over an CSH Transport Link after migration from a Channelised STM1 Bearer.

**Table 8**

Element	Charge	Effective From	Effective To
	EURO		
Paper migration of existing path	86.55		
Circuit rental per annum*	2,600	01/07/2005	30/06/2006
Circuit rental per annum	2,395	01/07/2006	31/10/2012
Circuit rental per annum	1,750	01/11/2012	

2.4 Charges for Interconnect Paths provided over Channelised STM1 Interconnect Access, ISI Bearers or the ISH Transport Link after migration from ISI Bearer and terminating other than at the Interconnect Node at which the Transport Link or ISI Bearer terminates are set out below.

**Table 9**

Element	Charge	Effective From	Effective To
	EURO		
Paper migration of existing path	86.55		
Connection	288.06	01/01/2004	
Circuit rental per annum**	3105	01/01/2004	30/06/2006
Circuit rental per annum	2,860	01/07/2006	31/10/2012
Circuit rental per annum	2,075	01/11/2012	
Main Link Distance rental per km per annum 1 - 30 km	195	01/01/2004	30/09/2009
Main Link Distance rental per km per annum 1 - 20 km	195	01/10/2009	30/09/2011
Main Link Distance rental per km per annum 1 - 30 km	176	01/10/2011	
Main Link Distance rental per km per annum above 30 km	104	01/01/2004	30/09/2009
Main Link Distance rental per km per annum above 20 km	104	01/10/2009	30/09/2011
Main Link Distance rental per km per annum above 30 km	104	01/10/2011	

\*\*this charge replaces both the “main link rental per annum” and the “intra building rental per annum” charges raised under ISI pricing. This revised charge will apply from 1<sup>st</sup> January 2004 for those Interconnect Paths on Channelised STM1 Interconnect Access and ISI Bearers that have not migrated to CSH or ISH before that date. The charges that apply prior to that date are provided in Table 9 below.

Charges for Interconnect Paths provided over ISH Transport Links, delivered as new capacity, shall be as per Table 4 and Table 5 above.

**Table 10**

Element	Status	Charge	Effective From	Effective To
		EURO		
Transmission Connection	All Paths	1,269.74		31/12/2003
Intra-building Connection	All Paths	126.97		31/12/2003
Main Link rental per annum	All Paths	1,706.53		31/12/2003
Main Link Distance rental per km per annum 1-30km	All Paths	298.39		31/12/2003
Main Link Distance rental per km per annum above 30km	All Paths	90.15		31/12/2003
	Initial 2 Paths on Interconnect Link			
Intra-building rental per annum		1,848.74		31/12/2003
Intra-building rental per annum	Subsequent	1,544.00		31/12/2003

2.5 Volume discounts are applicable for multiple interconnect paths on the same STM1 or STM4 Transport Link, where the interconnect paths terminate on the same interconnect node. These discounts are applied separately to locally terminating interconnect paths and to interconnect extension paths to each individual interconnect node.

**Table 11**

Number of Interconnect / Interconnect Extension Paths	% discount on annual rental	Effective From	Effective To
0-9	0%	01/09/2005	
10-19	15%	01/09/2005	
20-29	25%	01/09/2005	
30 and over	30%	01/09/2005	

**Service Schedule 003**  
**End User Links**

1. The charges for Partial Private Circuit End User Links shall comprise installation, upgrade, downgrade, move, cessation, and annual rental elements as set out below.

**Table 1 – Connection and Paper Migration Fees - Effective to 30th September 2009**

End User Link Circuit Speed	Paper migration of existing channelised circuit. Fee in EURO	New Connection; Upgrade/downgrade and move Fee in EURO
64 kb/s	125.68	544.01
128 kb/s	125.68	544.01
192 kb/s	125.68	544.01
256 kb/s	125.68	544.01
320 kb/s	125.68	544.01
384 kb/s	125.68	544.01
448 kb/s	125.68	544.01
512 kb/s	125.68	544.01
576 kb/s	125.68	544.01
640 kb/s	125.68	544.01
704 kb/s	125.68	544.01
768 kb/s	125.68	544.01
832 kb/s	125.68	544.01
896 kb/s	125.68	544.01
960 kb/s	125.68	544.01
1024 kb/s	125.68	544.01
1088 kb/s	125.68	544.01
1152 kb/s	125.68	544.01
1216 kb/s	125.68	544.01
1280 kb/s	125.68	544.01
1344 kb/s	125.68	544.01
1408 kb/s	125.68	544.01
1472 kb/s	125.68	544.01
1536 kb/s	125.68	544.01
1600 kb/s	125.68	544.01
1664 kb/s	125.68	544.01
1728 kb/s	125.68	544.01
1792 kb/s	125.68	544.01
1856 kb/s	125.68	544.01
1920 kb/s	125.68	544.01
1984 kb/s	125.68	544.01
2048 kb/s	n/a	808.67
34 Mb/s	n/a	1406.07
45Mb/s	N/a	1406.07
155 Mb/s	n/a	1953.39



**Table 1 – Connection and Paper Migration Fees - Effective from 1st October 2009 to 31st March 2010**

End User Link Circuit Speed	Paper migration of existing channelised circuit. Fee in EURO	New Connection; Upgrade/downgrade and move Fee in EURO
64 kb/s	125.68	505.92
128 kb/s	125.68	505.92
192 kb/s	125.68	505.92
256 kb/s	125.68	505.92
320 kb/s	125.68	505.92
384 kb/s	125.68	505.92
448 kb/s	125.68	505.92
512 kb/s	125.68	505.92
576 kb/s	125.68	505.92
640 kb/s	125.68	505.92
704 kb/s	125.68	505.92
768 kb/s	125.68	505.92
832 kb/s	125.68	505.92
896 kb/s	125.68	505.92
960 kb/s	125.68	505.92
1024 kb/s	125.68	505.92
1088 kb/s	125.68	505.92
1152 kb/s	125.68	505.92
1216 kb/s	125.68	505.92
1280 kb/s	125.68	505.92
1344 kb/s	125.68	505.92
1408 kb/s	125.68	505.92
1472 kb/s	125.68	505.92
1536 kb/s	125.68	505.92
1600 kb/s	125.68	505.92
1664 kb/s	125.68	505.92
1728 kb/s	125.68	505.92
1792 kb/s	125.68	505.92
1856 kb/s	125.68	505.92
1920 kb/s	125.68	505.92
1984 kb/s	125.68	505.92
2048 kb/s	n/a	752.06
34 Mb/s	n/a	1307.64
45Mb/s	N/a	1307.64
155 Mb/s	n/a	1816.65

**Table 1 – Connection and Paper Migration Fees - From 1st April 2010 to 31st December 2010**

End User Link Circuit Speed	Paper migration of existing channelised circuit. Fee in EURO	New Connection; Upgrade/downgrade and move Fee in EURO
64 kb/s	125.68	480.62
128 kb/s	125.68	480.62
192 kb/s	125.68	480.62
256 kb/s	125.68	480.62
320 kb/s	125.68	480.62
384 kb/s	125.68	480.62
448 kb/s	125.68	480.62
512 kb/s	125.68	480.62
576 kb/s	125.68	480.62
640 kb/s	125.68	480.62
704 kb/s	125.68	480.62
768 kb/s	125.68	480.62
832 kb/s	125.68	480.62
896 kb/s	125.68	480.62
960 kb/s	125.68	480.62
1024 kb/s	125.68	480.62
1088 kb/s	125.68	480.62
1152 kb/s	125.68	480.62
1216 kb/s	125.68	480.62
1280 kb/s	125.68	480.62
1344 kb/s	125.68	480.62
1408 kb/s	125.68	480.62
1472 kb/s	125.68	480.62
1536 kb/s	125.68	480.62
1600 kb/s	125.68	480.62
1664 kb/s	125.68	480.62
1728 kb/s	125.68	480.62
1792 kb/s	125.68	480.62
1856 kb/s	125.68	480.62
1920 kb/s	125.68	480.62
1984 kb/s	125.68	480.62
2048 kb/s	n/a	714.45
34 Mb/s	n/a	1242.25
45Mb/s	N/a	1242.25
155 Mb/s	n/a	1725.81

Table 1 – Connection and Paper Migration Fees - From 1st January 2011 to 31st October 2011

End User Link Circuit Speed	Paper migration of existing channelised circuit. Fee in EURO	New Connection; Upgrade/downgrade and move Fee in EURO
64 kb/s	125.68	456.58
128 kb/s	125.68	456.58
192 kb/s	125.68	456.58
256 kb/s	125.68	456.58
320 kb/s	125.68	456.58
384 kb/s	125.68	456.58
448 kb/s	125.68	456.58
512 kb/s	125.68	456.58
576 kb/s	125.68	456.58
640 kb/s	125.68	456.58
704 kb/s	125.68	456.58
768 kb/s	125.68	456.58
832 kb/s	125.68	456.58
896 kb/s	125.68	456.58
960 kb/s	125.68	456.58
1024 kb/s	125.68	456.58
1088 kb/s	125.68	456.58
1152 kb/s	125.68	456.58
1216 kb/s	125.68	456.58
1280 kb/s	125.68	456.58
1344 kb/s	125.68	456.58
1408 kb/s	125.68	456.58
1472 kb/s	125.68	456.58
1536 kb/s	125.68	456.58
1600 kb/s	125.68	456.58
1664 kb/s	125.68	456.58
1728 kb/s	125.68	456.58
1792 kb/s	125.68	456.58
1856 kb/s	125.68	456.58
1920 kb/s	125.68	456.58
1984 kb/s	125.68	456.58
2048 kb/s	n/a	678.72
34 Mb/s	n/a	1180.13
45Mb/s	n/a	1180.13
155 Mb/s	n/a	1639.51

Table 1 – Connection and Paper Migration Fees - From 1st November 2011 to 30th April 2012

End User Link Circuit Speed	Paper migration of existing channelised circuit. Fee in EURO	New Connection; Upgrade/downgrade and move Fee in EURO
64 kb/s	125.68	0
128 kb/s	125.68	0
192 kb/s	125.68	0
256 kb/s	125.68	0
320 kb/s	125.68	0
384 kb/s	125.68	0
448 kb/s	125.68	0
512 kb/s	125.68	0
576 kb/s	125.68	0
640 kb/s	125.68	0
704 kb/s	125.68	0
768 kb/s	125.68	0
832 kb/s	125.68	0
896 kb/s	125.68	0
960 kb/s	125.68	0
1024 kb/s	125.68	0
1088 kb/s	125.68	0
1152 kb/s	125.68	0
1216 kb/s	125.68	0
1280 kb/s	125.68	0
1344 kb/s	125.68	0
1408 kb/s	125.68	0
1472 kb/s	125.68	0
1536 kb/s	125.68	0
1600 kb/s	125.68	0
1664 kb/s	125.68	0
1728 kb/s	125.68	0
1792 kb/s	125.68	0
1856 kb/s	125.68	0
1920 kb/s	125.68	0
1984 kb/s	125.68	0
2048 kb/s	n/a	0
34 Mb/s	n/a	1180.13
45Mb/s	n/a	1180.13
155 Mb/s	n/a	1639.51

Table 1 – Connection and Paper Migration Fees - From 1st May 2012 to 30th April 2013

End User Link Circuit Speed	Paper migration of existing channelised circuit. Fee in EURO	New Connection; Upgrade/downgrade and move Fee in EURO
64 kb/s	125.68	0
128 kb/s	125.68	0
192 kb/s	125.68	0
256 kb/s	125.68	0
320 kb/s	125.68	0
384 kb/s	125.68	0
448 kb/s	125.68	0
512 kb/s	125.68	0
576 kb/s	125.68	0
640 kb/s	125.68	0
704 kb/s	125.68	0
768 kb/s	125.68	0
832 kb/s	125.68	0
896 kb/s	125.68	0
960 kb/s	125.68	0
1024 kb/s	125.68	0
1088 kb/s	125.68	0
1152 kb/s	125.68	0
1216 kb/s	125.68	0
1280 kb/s	125.68	0
1344 kb/s	125.68	0
1408 kb/s	125.68	0
1472 kb/s	125.68	0
1536 kb/s	125.68	0
1600 kb/s	125.68	0
1664 kb/s	125.68	0
1728 kb/s	125.68	0
1792 kb/s	125.68	0
1856 kb/s	125.68	0
1920 kb/s	125.68	0
1984 kb/s	125.68	0
2048 kb/s	n/a	0
34 Mb/s	n/a	1180.13
45Mb/s	n/a	1180.13
155 Mb/s	n/a	1639.51

Table 1 – Connection and Paper Migration Fees - From 1st May 2013

End User Link Circuit Speed	Paper migration of existing channelised circuit. Fee in EURO	New Connection; Upgrade/downgrade and move Fee in EURO
64 kb/s	125.68	456.58
128 kb/s	125.68	456.58
192 kb/s	125.68	456.58
256 kb/s	125.68	456.58
320 kb/s	125.68	456.58
384 kb/s	125.68	456.58
448 kb/s	125.68	456.58
512 kb/s	125.68	456.58
576 kb/s	125.68	456.58
640 kb/s	125.68	456.58
704 kb/s	125.68	456.58
768 kb/s	125.68	456.58
832 kb/s	125.68	456.58
896 kb/s	125.68	456.58
960 kb/s	125.68	456.58
1024 kb/s	125.68	456.58
1088 kb/s	125.68	456.58
1152 kb/s	125.68	456.58
1216 kb/s	125.68	456.58
1280 kb/s	125.68	456.58
1344 kb/s	125.68	456.58
1408 kb/s	125.68	456.58
1472 kb/s	125.68	456.58
1536 kb/s	125.68	456.58
1600 kb/s	125.68	456.58
1664 kb/s	125.68	456.58
1728 kb/s	125.68	456.58
1792 kb/s	125.68	456.58
1856 kb/s	125.68	456.58
1920 kb/s	125.68	456.58
1984 kb/s	125.68	456.58
2048 kb/s	n/a	678.72
34 Mb/s	n/a	1180.13
45Mb/s	n/a	1180.13
155 Mb/s	n/a	1639.51

**Table 2 – Annual Rental Fees in EURO - Effective from 1st July 06 to 30<sup>th</sup> June 09**

<b>EUL Circuit Speed</b>	<b>Local end less than 1.5 km  Effective from 1st July 06</b>	<b>Local end &gt; 1.5 km (per 100m)  Effective from 1st July 06</b>	<b>Main Link Access  Effective from 1st July 06</b>	<b>Main Link per km (0 to 30 km) Effective from 1st July 06</b>	<b>Main Link per km (&gt; 30 km) Effective from 1st July 06</b>
64 kb/s	549	No Additional charge up to 3 km	364	16	9
128 kb/s	549	No Additional charge up to 3 km	605	27	14
192 kb/s	549	No Additional charge up to 3 km	846	37	20
256 kb/s	549	No Additional charge up to 3 km	1,087	48	25
320 kb/s	549	No Additional charge up to 3 km	1,328	59	31
384 kb/s	549	No Additional charge up to 3 km	1,569	69	37
448 kb/s	549	No Additional charge up to 3 km	1,810	80	42
512 kb/s	549	No Additional charge up to 3 km	2,051	91	48
576 kb/s	549	No Additional charge up to 3 km	2,260	101	54
640 kb/s	549	No Additional charge up to 3 km	2,469	112	59
704 kb/s	549	No Additional charge up to 3 km	2,677	123	65
768 kb/s	549	No Additional charge up to 3 km	2,886	133	71
832 kb/s	549	No Additional charge up to 3 km	3,095	144	76
896 kb/s	549	No Additional charge up to 3 km	3,304	155	82
960 kb/s	549	No Additional charge up to 3 km	3,512	165	87
1024 kb/s	1,110	26.0 up to 3 km	3,721	176	93
1088 kb/s	1,110	26.2 up to 3 km	3,747	177	94
1152 kb/s	1,110	26.3 up to 3 km	3,773	178	95
1216 kb/s	1,110	26.5 up to 3 km	3,799	180	95
1280 kb/s	1,110	26.7 up to 3 km	3,824	181	96
1344 kb/s	1,110	26.9 up to 3 km	3,850	182	97
1408 kb/s	1,110	27.1 up to 3 km	3,877	183	97
1472 kb/s	1,110	27.3 up to 3 km	3,902	184	98
1536 kb/s	1,110	27.4 up to 3 km	3,928	186	99
1600 kb/s	1,110	27.6 up to 3 km	3,954	187	99
1664 kb/s	1,110	27.8 up to 3 km	3,979	188	100
1728 kb/s	1,110	28.0 up to 3 km	4,006	189	101
1792 kb/s	1,110	28.2 up to 3 km	4,032	191	101
1856 kb/s	1,110	28.3 up to 3 km	4,057	192	102
1920 kb/s	1,110	28.5 up to 3 km	4,083	193	102
1984 kb/s	1,110	28.7 up to 3 km	4,108	194	103
2048 kb/s	1,110	28.8 up to 3 km	4,135	195	104
34 Mb/s	13,760 up to 0.5 km	456 per 100 m above 0.5 km	6,893	712	300
45Mb/s	13,760 up to 0.5 km	456 per 100 m above 0.5 km	6,893	712	300
155 Mb/s	14,901 up to 0.5 km	456 per 100 m above 0.5 km	10,339	1,067	449

**Table 2 - Annual Rental Fees in EURO - Effective from 1 July 2009 to 30 September 2009**  
(Note 1)

EUL Circuit Speed	Local end less than 1.5 km Effective from 1st July 09	Local end > 1.5 km (per 100m) Effective from 1st July 09	Main Link Access Effective from 1st July 09 <b>Note 2</b>	Main Link Access Effective from 1st July 09 <b>Note 3</b>	Main Link per km (0 to 30 km) Effective from 1st July 09	Main Link per km (> 30 km) Effective from 1st July 09
64 kb/s	549	No Additional charge up to 3 km	364.00	182.00	16.00	9.00
128 kb/s	549	No Additional charge up to 3 km	605.00	302.50	27.00	14.00
192 kb/s	549	No Additional charge up to 3 km	846.00	423.00	37.00	20.00
256 kb/s	549	No Additional charge up to 3 km	1,087.00	543.50	48.00	25.00
320 kb/s	549	No Additional charge up to 3 km	1,328.00	664.00	59.00	31.00
384 kb/s	549	No Additional charge up to 3 km	1,569.00	784.50	69.00	37.00
448 kb/s	549	No Additional charge up to 3 km	1,810.00	905.00	80.00	42.00
512 kb/s	549	No Additional charge up to 3 km	2,051.00	1,025.50	91.00	48.00
576 kb/s	549	No Additional charge up to 3 km	2,260.00	1,130.00	101.00	54.00
640 kb/s	549	No Additional charge up to 3 km	2,469.00	1,234.50	112.00	59.00
704 kb/s	549	No Additional charge up to 3 km	2,677.00	1,338.50	123.00	65.00
768 kb/s	549	No Additional charge up to 3 km	2,886.00	1,443.00	133.00	71.00
832 kb/s	549	No Additional charge up to 3 km	3,095.00	1,547.50	144.00	76.00
896 kb/s	549	No Additional charge up to 3 km	3,304.00	1,652.00	155.00	82.00
960 kb/s	549	No Additional charge up to 3 km	3,512.00	1,756.00	165.00	87.00
1024 kb/s	1,110	26.0 up to 3 km	3,721.00	1,860.50	176.00	93.00
1088 kb/s	1,110	26.2 up to 3 km	3,747.00	1,873.50	177.00	94.00
1152 kb/s	1,110	26.3 up to 3 km	3,773.00	1,886.50	178.00	95.00
1216 kb/s	1,110	26.5 up to 3 km	3,799.00	1,899.50	180.00	95.00
1280 kb/s	1,110	26.7 up to 3 km	3,824.00	1,912.00	181.00	96.00
1344 kb/s	1,110	26.9 up to 3 km	3,850.00	1,925.00	182.00	97.00
1408 kb/s	1,110	27.1 up to 3 km	3,877.00	1,938.50	183.00	97.00
1472 kb/s	1,110	27.3 up to 3 km	3,902.00	1,951.00	184.00	98.00
1536 kb/s	1,110	27.4 up to 3 km	3,928.00	1,964.00	186.00	99.00
1600 kb/s	1,110	27.6 up to 3 km	3,954.00	1,977.00	187.00	99.00
1664 kb/s	1,110	27.8 up to 3 km	3,979.00	1,989.50	188.00	100.00
1728 kb/s	1,110	28.0 up to 3 km	4,006.00	2,003.00	189.00	101.00
1792 kb/s	1,110	28.2 up to 3 km	4,032.00	2,016.00	191.00	101.00
1856 kb/s	1,110	28.3 up to 3 km	4,057.00	2,028.50	192.00	102.00
1920 kb/s	1,110	28.5 up to 3 km	4,083.00	2,041.50	193.00	102.00
1984 kb/s	1,110	28.7 up to 3 km	4,108.00	2,054.00	194.00	103.00
2048 kb/s	1,110	28.8 up to 3 km	4,135.00	2,067.50	195.00	104.00
34 Mb/s	13,760 up to 0.5 km	456 per 100 m above 0.5 km	6,893.00	3,446.50	712.00	300.00
45Mb/s	13,760 up to 0.5 km	456 per 100 m above 0.5 km	6,893.00	3,446.50	712.00	300.00
155 Mb/s	14,901 up to 0.5 km	456 per 100 m above 0.5 km	10,339.00	5,169.50	1,067.00	449.00

**Note 1** : The revised Main Link Access charge described in Note 3 will be retrospectively applied to all qualifying End User Links (EULs) from 1 October 2007

**Note 2** : Applicable where the eircom Local Exchange from which the EUL is connected to the end customer is not the same as the eircom Local Exchange at which the Transport Link Terminates

**Note 3** : Applicable where the eircom Local Exchange from which the EUL is connected to the end customer is the same as the eircom Local Exchange at which the Transport Link Terminates



**Table 2 - Annual Rental Fees in EURO - Effective from 1 October 2009 to 31 March 2010  
(Note 1)**

EUL Circuit Speed	Local end less than 1.5 km  Effective from 1st October 09	Local end > 1.5 km (per 100m)  Effective from 1st October 09	Main Link Access  Effective from 1st October 09 <b>Note 2</b>	Main Link Access  Effective from 1st October 09 <b>Note 3</b>	Main Link per km (0 to 20 km)  Effective from 1st October 09	Main Link per km (> 20 km)  Effective from 1st October 09
64 kb/s	549	No Additional charge up to 3 km	355.00	177.50	16.00	9.00
128 kb/s	549	No Additional charge up to 3 km	589.00	294.50	27.00	14.00
192 kb/s	549	No Additional charge up to 3 km	820.00	410.00	37.00	20.00
256 kb/s	549	No Additional charge up to 3 km	1,050.00	525.00	48.00	25.00
320 kb/s	549	No Additional charge up to 3 km	1,278.00	639.00	59.00	31.00
384 kb/s	549	No Additional charge up to 3 km	1,505.00	752.50	69.00	37.00
448 kb/s	549	No Additional charge up to 3 km	1,729.00	864.50	80.00	42.00
512 kb/s	549	No Additional charge up to 3 km	1,952.00	976.00	91.00	48.00
576 kb/s	549	No Additional charge up to 3 km	2,143.00	1,071.50	101.00	54.00
640 kb/s	549	No Additional charge up to 3 km	2,332.00	1,166.00	112.00	59.00
704 kb/s	549	No Additional charge up to 3 km	2,519.00	1,259.50	123.00	65.00
768 kb/s	549	No Additional charge up to 3 km	2,705.00	1,352.50	133.00	71.00
832 kb/s	549	No Additional charge up to 3 km	2,889.00	1,444.50	144.00	76.00
896 kb/s	549	No Additional charge up to 3 km	3,072.00	1,536.00	155.00	82.00
960 kb/s	549	No Additional charge up to 3 km	3,253.00	1,626.50	165.00	87.00
1024 kb/s	1,110	26.0 up to 3 km	3,433.00	1,716.50	176.00	93.00
1088 kb/s	1,110	26.2 up to 3 km	3,443.00	1,721.50	177.00	94.00
1152 kb/s	1,110	26.3 up to 3 km	3,454.00	1,727.00	178.00	95.00
1216 kb/s	1,110	26.5 up to 3 km	3,463.00	1,731.50	180.00	95.00
1280 kb/s	1,110	26.7 up to 3 km	3,472.00	1,736.00	181.00	96.00
1344 kb/s	1,110	26.9 up to 3 km	3,482.00	1,741.00	182.00	97.00
1408 kb/s	1,110	27.1 up to 3 km	3,492.00	1,746.00	183.00	97.00
1472 kb/s	1,110	27.3 up to 3 km	3,500.00	1,750.00	184.00	98.00
1536 kb/s	1,110	27.4 up to 3 km	3,509.00	1,754.50	186.00	99.00
1600 kb/s	1,110	27.6 up to 3 km	3,518.00	1,759.00	187.00	99.00
1664 kb/s	1,110	27.8 up to 3 km	3,526.00	1,763.00	188.00	100.00
1728 kb/s	1,110	28.0 up to 3 km	3,535.00	1,767.50	189.00	101.00
1792 kb/s	1,110	28.2 up to 3 km	3,544.00	1,772.00	191.00	101.00
1856 kb/s	1,110	28.3 up to 3 km	3,551.00	1,775.50	192.00	102.00
1920 kb/s	1,110	28.5 up to 3 km	3,559.00	1,779.50	193.00	102.00
1984 kb/s	1,110	28.7 up to 3 km	3,565.00	1,782.50	194.00	103.00
2048 kb/s	1,110	28.8 up to 3 km	3,574.00	1,787.00	195.00	104.00
34 Mb/s	13,760 up to 0.5 km	456 per 100 m above 0.5 km	5,492.00	2,746.00	712.00	300.00
45Mb/s	13,760 up to 0.5 km	456 per 100 m above 0.5 km	5,492.00	2,746.00	712.00	300.00
155 Mb/s	14,901 up to 0.5 km	456 per 100 m above 0.5 km	8,238.00	4,119.00	1,067.00	449.00

**Note 1** : The revised Main Link Access charge described in Note 3 will be retrospectively applied to all qualifying End User Links (EULs) from 1 October 2007

**Note 2** : Applicable where the eircom Local Exchange from which the EUL is connected to the end customer is not the same as the eircom Local Exchange at which the Transport Link Terminates

**Note 3** : Applicable where the eircom Local Exchange from which the EUL is connected to the end customer is the same as the eircom Local Exchange at which the Transport Link Terminates

**Table 2 - Annual Rental Fees in EURO - Effective from 1 April 2010 to 31 December 2010**

EUL Circuit Speed	Local end less than 1.5 km	Local end > 1.5 km (per 100m)	Main Link Access  Note 1	Main Link Access  Note 2	Main Link per km (0 to 20 km)	Main Link per km (> 20 km)
64 kb/s	549	No Additional charge up to 3 km	348.00	174.00	16.00	9.00
128 kb/s	549	No Additional charge up to 3 km	574.00	287.00	27.00	14.00
192 kb/s	549	No Additional charge up to 3 km	795.00	397.00	37.00	20.00
256 kb/s	549	No Additional charge up to 3 km	1,012.00	506.00	48.00	25.00
320 kb/s	549	No Additional charge up to 3 km	1,224.00	612.00	59.00	31.00
384 kb/s	549	No Additional charge up to 3 km	1,434.00	717.00	69.00	37.00
448 kb/s	549	No Additional charge up to 3 km	1,637.00	819.00	80.00	42.00
512 kb/s	549	No Additional charge up to 3 km	1,838.00	919.00	91.00	48.00
576 kb/s	549	No Additional charge up to 3 km	2,006.00	1,003.00	101.00	54.00
640 kb/s	549	No Additional charge up to 3 km	2,170.00	1,085.00	112.00	59.00
704 kb/s	549	No Additional charge up to 3 km	2,330.00	1,165.00	123.00	65.00
768 kb/s	549	No Additional charge up to 3 km	2,487.00	1,244.00	133.00	71.00
832 kb/s	549	No Additional charge up to 3 km	2,641.00	1,320.00	144.00	76.00
896 kb/s	549	No Additional charge up to 3 km	2,791.00	1,395.00	155.00	82.00
960 kb/s	549	No Additional charge up to 3 km	2,937.00	1,469.00	165.00	87.00
1024 kb/s	1,110	26.0 up to 3 km	3,081.00	1,541.00	176.00	93.00
1088 kb/s	1,110	26.2 up to 3 km	3,081.00	1,541.00	177.00	94.00
1152 kb/s	1,110	26.3 up to 3 km	3,081.00	1,541.00	178.00	95.00
1216 kb/s	1,110	26.5 up to 3 km	3,081.00	1,541.00	180.00	95.00
1280 kb/s	1,110	26.7 up to 3 km	3,081.00	1,541.00	181.00	96.00
1344 kb/s	1,110	26.9 up to 3 km	3,081.00	1,541.00	182.00	97.00
1408 kb/s	1,110	27.1 up to 3 km	3,081.00	1,541.00	183.00	97.00
1472 kb/s	1,110	27.3 up to 3 km	3,081.00	1,541.00	184.00	98.00
1536 kb/s	1,110	27.4 up to 3 km	3,081.00	1,541.00	186.00	99.00
1600 kb/s	1,110	27.6 up to 3 km	3,081.00	1,541.00	187.00	99.00
1664 kb/s	1,110	27.8 up to 3 km	3,081.00	1,541.00	188.00	100.00
1728 kb/s	1,110	28.0 up to 3 km	3,081.00	1,541.00	189.00	101.00
1792 kb/s	1,110	28.2 up to 3 km	3,081.00	1,541.00	191.00	101.00
1856 kb/s	1,110	28.3 up to 3 km	3,081.00	1,541.00	192.00	102.00
1920 kb/s	1,110	28.5 up to 3 km	3,081.00	1,541.00	193.00	102.00
1984 kb/s	1,110	28.7 up to 3 km	3,081.00	1,541.00	194.00	103.00
2048 kb/s	1,110	28.8 up to 3 km	3,081.00	1,541.00	195.00	104.00
34 Mb/s	13,760 up to 0.5 km	456 per 100 m above 0.5 km	4,416.00	2,208.00	712.00	241.00
45Mb/s	13,760 up to 0.5 km	456 per 100 m above 0.5 km	4,416.00	2,208.00	712.00	241.00
155 Mb/s	14,901 up to 0.5 km	456 per 100 m above 0.5 km	6,578.00	3,289.00	1,067.00	359.00

**Note 1 :** Applicable where the eircom Local Exchange from which the EUL is connected to the end customer is not the same as the eircom Local Exchange at which the Transport Link Terminates

**Note 2 :** Applicable where the eircom Local Exchange from which the EUL is connected to the end customer is the same as the eircom Local Exchange at which the Transport Link Terminates

**Table 2 - Annual Rental Fees in EURO - Effective from 1 January 2011 to 30 June 2011**

EUL Circuit Speed	Local end less than 1.5 km	Local end > 1.5 km (per 100m)	Main Link Access Note 1	Main Link Access Note 2	Main Link per km (0 to 20 km)	Main Link per km (> 20 km)
64 kb/s	527	No Additional charge up to 3 km	341.00	171.00	16.00	9.00
128 kb/s	527	No Additional charge up to 3 km	558.00	279.00	27.00	14.00
192 kb/s	527	No Additional charge up to 3 km	768.00	383.00	37.00	20.00
256 kb/s	527	No Additional charge up to 3 km	970.00	485.00	48.00	25.00
320 kb/s	527	No Additional charge up to 3 km	1,165.00	582.00	59.00	31.00
384 kb/s	527	No Additional charge up to 3 km	1,354.00	677.00	69.00	37.00
448 kb/s	527	No Additional charge up to 3 km	1,535.00	768.00	80.00	42.00
512 kb/s	527	No Additional charge up to 3 km	1,710.00	855.00	91.00	48.00
576 kb/s	527	No Additional charge up to 3 km	1,852.00	926.00	101.00	54.00
640 kb/s	527	No Additional charge up to 3 km	1,988.00	994.00	112.00	59.00
704 kb/s	527	No Additional charge up to 3 km	2,118.00	1,059.00	123.00	65.00
768 kb/s	527	No Additional charge up to 3 km	2,243.00	1,122.00	133.00	71.00
832 kb/s	527	No Additional charge up to 3 km	2,363.00	1,181.00	144.00	76.00
896 kb/s	527	No Additional charge up to 3 km	2,478.00	1,238.00	155.00	82.00
960 kb/s	527	No Additional charge up to 3 km	2,586.00	1,294.00	165.00	87.00
1024 kb/s	1,066	26.0 up to 3 km	2,691.00	1,346.00	176.00	93.00
1088 kb/s	1,066	26.2 up to 3 km	2,691.00	1,346.00	177.00	94.00
1152 kb/s	1,066	26.3 up to 3 km	2,691.00	1,346.00	178.00	95.00
1216 kb/s	1,066	26.5 up to 3 km	2,691.00	1,346.00	180.00	95.00
1280 kb/s	1,066	26.7 up to 3 km	2,691.00	1,346.00	181.00	96.00
1344 kb/s	1,066	26.9 up to 3 km	2,691.00	1,346.00	182.00	97.00
1408 kb/s	1,066	27.1 up to 3 km	2,691.00	1,346.00	183.00	97.00
1472 kb/s	1,066	27.3 up to 3 km	2,691.00	1,346.00	184.00	98.00
1536 kb/s	1,066	27.4 up to 3 km	2,691.00	1,346.00	186.00	99.00
1600 kb/s	1,066	27.6 up to 3 km	2,691.00	1,346.00	187.00	99.00
1664 kb/s	1,066	27.8 up to 3 km	2,691.00	1,346.00	188.00	100.00
1728 kb/s	1,066	28.0 up to 3 km	2,691.00	1,346.00	189.00	101.00
1792 kb/s	1,066	28.2 up to 3 km	2,691.00	1,346.00	191.00	101.00
1856 kb/s	1,066	28.3 up to 3 km	2,691.00	1,346.00	192.00	102.00
1920 kb/s	1,066	28.5 up to 3 km	2,691.00	1,346.00	193.00	102.00
1984 kb/s	1,066	28.7 up to 3 km	2,691.00	1,346.00	194.00	103.00
2048 kb/s	1,066	28.8 up to 3 km	2,691.00	1,346.00	195.00	104.00
34 Mb/s	13,210 up to 0.5 km	456 per 100 m above 0.5 km	3,324.00	1,662.00	712.00	241.00
45Mb/s	13,210 up to 0.5 km	456 per 100 m above 0.5 km	3,324.00	1,662.00	712.00	241.00
155 Mb/s	14,305 up to 0.5 km	456 per 100 m above 0.5 km	4,905.00	2,453.00	1,067.00	359.00

**Note 1** : Applicable where the eircom Local Exchange from which the EUL is connected to the end customer is not the same as the eircom Local Exchange at which the Transport Link Terminates

**Note 2** : Applicable where the eircom Local Exchange from which the EUL is connected to the end customer is the same as the eircom Local Exchange at which the Transport Link Terminates

**Table 2 - Annual Rental Fees in EURO - Effective from 1 July 2011**

EUL Circuit Speed	Local end less than 1.5 km	Local end > 1.5 km (per 100m)	Main Link Access <b>Note 1</b>	Main Link Access <b>Note 2</b>	Main Link per km (0 to 30 km)	Main Link per km (> 30 km)
64 kb/s	527	No Additional charge up to 3 km	341.00	171.00	14.00	9.00
128 kb/s	527	No Additional charge up to 3 km	558.00	279.00	24.00	14.00
192 kb/s	527	No Additional charge up to 3 km	768.00	383.00	33.00	20.00
256 kb/s	527	No Additional charge up to 3 km	970.00	485.00	43.00	25.00
320 kb/s	527	No Additional charge up to 3 km	1,165.00	582.00	53.00	31.00
384 kb/s	527	No Additional charge up to 3 km	1,354.00	677.00	62.00	37.00
448 kb/s	527	No Additional charge up to 3 km	1,535.00	768.00	72.00	42.00
512 kb/s	527	No Additional charge up to 3 km	1,710.00	855.00	82.00	48.00
576 kb/s	527	No Additional charge up to 3 km	1,852.00	926.00	91.00	54.00
640 kb/s	527	No Additional charge up to 3 km	1,988.00	994.00	101.00	59.00
704 kb/s	527	No Additional charge up to 3 km	2,118.00	1,059.00	111.00	65.00
768 kb/s	527	No Additional charge up to 3 km	2,243.00	1,122.00	120.00	71.00
832 kb/s	527	No Additional charge up to 3 km	2,363.00	1,181.00	130.00	76.00
896 kb/s	527	No Additional charge up to 3 km	2,478.00	1,238.00	140.00	82.00
960 kb/s	527	No Additional charge up to 3 km	2,586.00	1,294.00	149.00	87.00
1024 kb/s	955	20 up to 3 km	2,691.00	1,346.00	159.00	93.00
1088 kb/s	955	20 up to 3 km	2,691.00	1,346.00	160.00	94.00
1152 kb/s	955	20 up to 3 km	2,691.00	1,346.00	161.00	95.00
1216 kb/s	955	20 up to 3 km	2,691.00	1,346.00	163.00	95.00
1280 kb/s	955	20 up to 3 km	2,691.00	1,346.00	163.00	96.00
1344 kb/s	955	20 up to 3 km	2,691.00	1,346.00	164.00	97.00
1408 kb/s	955	20 up to 3 km	2,691.00	1,346.00	165.00	97.00
1472 kb/s	955	20 up to 3 km	2,691.00	1,346.00	166.00	98.00
1536 kb/s	955	20 up to 3 km	2,691.00	1,346.00	168.00	99.00
1600 kb/s	955	20 up to 3 km	2,691.00	1,346.00	169.00	99.00
1664 kb/s	955	20 up to 3 km	2,691.00	1,346.00	170.00	100.00
1728 kb/s	955	20 up to 3 km	2,691.00	1,346.00	171.00	101.00
1792 kb/s	955	20 up to 3 km	2,691.00	1,346.00	173.00	101.00
1856 kb/s	955	20 up to 3 km	2,691.00	1,346.00	173.00	102.00
1920 kb/s	955	20 up to 3 km	2,691.00	1,346.00	174.00	102.00
1984 kb/s	955	20 up to 3 km	2,691.00	1,346.00	175.00	103.00
2048 kb/s	955	20 up to 3 km	2,691.00	1,346.00	176.00	104.00
34 Mb/s	8,109 up to 0.5 km	324 per 100 m above 0.5 km	3,324.00	1,662.00	643.00	241.00
45Mb/s	8,109 up to 0.5 km	324 per 100 m above 0.5 km	3,324.00	1,662.00	643.00	241.00
155 Mb/s	8,259 up to 0.5 km	324 per 100 m above 0.5 km	4,905.00	2,453.00	964.00	359.00

**Note 1** : Applicable where the eircom Local Exchange from which the EUL is connected to the end customer is not the same as the eircom Local Exchange at which the Transport Link Terminates

**Note 2** : Applicable where the eircom Local Exchange from which the EUL is connected to the end customer is the same as the eircom Local Exchange at which the Transport Link Terminates

**Service Schedule 004**  
**Partial Private Circuit Migration**

Connection Fees for Partial Private Circuit End User Links apply to new provision or individual circuit migration. Migration of substantial existing leased line capacity onto End User Link services and Transport Link capacity will be managed and priced on a project basis.

There will be a charge for the provision of information to the operator for each site where a bulk migration is planned

<b><u>Service</u></b>	<b><u>Charge</u></b>
	Euro
Information Provision	1,382.23 per site

## Service Schedule 005

### In-Span Interconnect and STM 1 Interconnect Access Bearers

- 1.1 The charges for the In-span Interconnect Bearer shall comprise of both installation and annual maintenance elements as outlined in Table 1 below.

**Table 1**

In-span service provided	Installation Charge	Annual Maintenance
	EURO	EURO
Fully Equipped STM 1	32,204.37	3,220.06
STM 4 with one STM 1 Equipped	48,867.14	4,887.22
STM 4 with two STM 1s Equipped	67,153.91	6,715.64
Fully Equipped STM 4	86,493.29	8,649.46

Note: If an ISI Bearer is migrated to an ISH Transport Link, the charges that will apply are those in Table 3 of Service Schedule 001. The charges for Interconnect Paths carried on an ISI Bearer are shown in Table 6 and Table 7 of Service Schedule 002.

- 1.2 The charges for STM1 Interconnect Access shall comprise annual maintenance elements as outlined in Table 2 below. This product is no longer available in our portfolio.

**Table 2**

Element	Charge
	€
Annual Rental (Up to 1.5km)	38,092.14
Annual Rental per additional 100 metres or part thereof	2,793.42

## Service Schedule 006

### Wholesale Leased Lines

The charges for Wholesale Leased Lines shall comprise installation, upgrade, downgrade, change of address, cessation, and annual rental elements as set out below.

#### Section 1 – Wholesale Analogue Leased Lines

##### 1.1 – Connection Fees (€)

**Table 1**

<b>2 Wire Leased Line</b>	<b>Per Local End €</b>
M1020	163.54
M1040	350.45

##### 1.2 – Annual Rental Fees (€)

**Table 2**

<b>2 Wire Leased Line</b>	<b>Per Local End</b>	<b>Main Link Access</b>	<b>Main Link per Km (1 to 30 Km)</b>	<b>Main Link per Km (&gt; 30 Km)</b>
M1020	280.36	334.10	54.91	4.20
M1040	408.86	334.10	54.91	4.20

**Notes :**

1. Main Link Access Charge applies to all circuits where inter-exchange distance is greater than zero kilometres.
2. Distance is charged per kilometre for each main-link kilometre or part thereof.

## Section 2 – Digital Wholesale Leased Lines (WLL)

### 2.1 – Connection Fees (€)

**Table 3 - Connection fees to 31st October 2011**

<b>Circuit Speed</b>	<b>Per Local End (1)</b>
9.6 or 64 kb/s	876.12
128 kb/s	876.12
192 kb/s	876.12
256 kb/s	876.12
320 kb/s	876.12
384 kb/s	876.12
448 kb/s	876.12
512 kb/s	992.94
576 kb/s	992.94
640 kb/s	992.94
704 kb/s	992.94
768 kb/s	992.94
832 kb/s	992.94
896 kb/s	992.94
960 kb/s	992.94
1024 kb/s	992.94
1088 kb/s	1,752.24
1152 kb/s	1,752.24
1216 kb/s	1,752.24
1280 kb/s	1,752.24
1344 kb/s	1,752.24
1408 kb/s	1,752.24
1472 kb/s	1,752.24
1536 kb/s	1,752.24
1600 kb/s	1,752.24
1664 kb/s	1,752.24
1728 kb/s	1,752.24
1792 kb/s	1,752.24
1856 kb/s	1,752.24
1920 kb/s	1,752.24
1984 kb/s	1,752.24
2048 kb/s	1,752.24



**Table 3 - Connection fees from 1st November 2011 to 30th April 2012**

<b>Circuit Speed</b>	<b>Per Local End (1)</b>
9.6 or 64 kb/s	0.00
128 kb/s	0.00
192 kb/s	0.00
256 kb/s	0.00
320 kb/s	0.00
384 kb/s	0.00
448 kb/s	0.00
512 kb/s	0.00
576 kb/s	0.00
640 kb/s	0.00
704 kb/s	0.00
768 kb/s	0.00
832 kb/s	0.00
896 kb/s	0.00
960 kb/s	0.00
1024 kb/s	0.00
1088 kb/s	0.00
1152 kb/s	0.00
1216 kb/s	0.00
1280 kb/s	0.00
1344 kb/s	0.00
1408 kb/s	0.00
1472 kb/s	0.00
1536 kb/s	0.00
1600 kb/s	0.00
1664 kb/s	0.00
1728 kb/s	0.00
1792 kb/s	0.00
1856 kb/s	0.00
1920 kb/s	0.00
1984 kb/s	0.00
2048 kb/s	0.00

**Table 3 - Connection fees from 1st May 2012 to 30<sup>th</sup> April 2013**

<b>Circuit Speed</b>	<b>Per Local End (1)</b>
9.6 or 64 kb/s	0.00
128 kb/s	0.00
192 kb/s	0.00
256 kb/s	0.00
320 kb/s	0.00
384 kb/s	0.00
448 kb/s	0.00
512 kb/s	0.00
576 kb/s	0.00
640 kb/s	0.00
704 kb/s	0.00
768 kb/s	0.00
832 kb/s	0.00
896 kb/s	0.00
960 kb/s	0.00
1024 kb/s	0.00
1088 kb/s	0.00
1152 kb/s	0.00
1216 kb/s	0.00
1280 kb/s	0.00
1344 kb/s	0.00
1408 kb/s	0.00
1472 kb/s	0.00
1536 kb/s	0.00
1600 kb/s	0.00
1664 kb/s	0.00
1728 kb/s	0.00
1792 kb/s	0.00
1856 kb/s	0.00
1920 kb/s	0.00
1984 kb/s	0.00
2048 kb/s	0.00

**Notes :**

Connection Fees for a second and subsequent local end provided at the same time for the same customer using the same path from the same address, is 75% of the standard rate of connection charge for that end of the circuit only. This applies to digital circuits only.

**Table 3 - Connection fees from 1st May 2013**

<b>Circuit Speed</b>	<b>Per Local End (1)</b>
9.6 or 64 kb/s	876.12
128 kb/s	876.12
192 kb/s	876.12
256 kb/s	876.12
320 kb/s	876.12
384 kb/s	876.12
448 kb/s	876.12
512 kb/s	992.94
576 kb/s	992.94
640 kb/s	992.94
704 kb/s	992.94
768 kb/s	992.94
832 kb/s	992.94
896 kb/s	992.94
960 kb/s	992.94
1024 kb/s	992.94
1088 kb/s	1,752.24
1152 kb/s	1,752.24
1216 kb/s	1,752.24
1280 kb/s	1,752.24
1344 kb/s	1,752.24
1408 kb/s	1,752.24
1472 kb/s	1,752.24
1536 kb/s	1,752.24
1600 kb/s	1,752.24
1664 kb/s	1,752.24
1728 kb/s	1,752.24
1792 kb/s	1,752.24
1856 kb/s	1,752.24
1920 kb/s	1,752.24
1984 kb/s	1,752.24
2048 kb/s	1,752.24

**Notes :**

Connection Fees for a second and subsequent local end provided at the same time for the same customer using the same path from the same address, is 75% of the standard rate of connection charge for that end of the circuit only. This applies to digital circuits only.

## 2.2 – Annual Rental Fees (€)

**Table 4**

Circuit Speed	Per Local End	Additional 100m Local Loop	Main Link Access Charge (1)	Main Link 1-30Km per Km	Above 30Km per Km
9.6 or 64 kb/s	710.24		334.10	54.91	4.20
128 kb/s	710.24		670.52	65.42	7.71
192 kb/s	1,357.40		1,003.45	75.93	11.68
256 kb/s	1,357.40		1,338.71	86.44	15.19
320 kb/s	1,357.40		1,655.28	96.96	19.15
384 kb/s	1,357.40		1,935.64	106.31	22.55
448 kb/s	1,357.40		2,215.99	116.81	26.63
512 kb/s	1,357.40		2,496.36	128.50	30.49
576 kb/s	1,357.40		2,776.72	137.84	34.11
640 kb/s	1,357.40		3,055.90	148.36	37.85
704 kb/s	1,357.40		3,336.26	158.87	41.47
768 kb/s	1,357.40		3,617.79	169.38	45.21
832 kb/s	1,357.40		3,896.98	179.90	48.94
896 kb/s	1,357.40		4,177.33	190.41	52.69
960 kb/s	1,357.40		4,457.69	200.92	56.42
1024 kb/s	1,357.40	70.09	4,738.06	211.43	60.16
1088 kb/s	2,102.69	70.09	4,773.10	214.94	61.68
1152 kb/s	2,102.69	70.09	4,808.14	218.44	63.31
1216 kb/s	2,102.69	70.09	4,842.02	223.12	64.83
1280 kb/s	2,102.69	70.09	4,877.07	226.62	66.35
1344 kb/s	2,102.69	70.09	4,913.28	230.13	67.87
1408 kb/s	2,102.69	70.09	4,948.32	234.80	69.39
1472 kb/s	2,102.69	70.09	4,982.20	238.31	70.90
1536 kb/s	2,102.69	70.09	5,017.25	242.98	72.42
1600 kb/s	2,102.69	70.09	5,052.29	246.48	74.06
1664 kb/s	2,102.69	70.09	5,087.33	249.98	75.58
1728 kb/s	2,102.69	70.09	5,122.38	254.66	77.10
1792 kb/s	2,102.69	70.09	5,157.42	258.16	78.61
1856 kb/s	2,102.69	70.09	5,192.47	261.67	80.13
1920 kb/s	2,102.69	70.09	5,227.51	266.34	81.65
1984 kb/s	2,102.69	70.09	5,261.39	269.85	83.18
2048 kb/s	2,102.69	70.09	5,297.60	274.52	84.81

**Notes :**

1. Main link access charge applies to all circuits where inter-exchange distance is greater than zero kilometres.
2. Distance is charged per kilometre for each main-link kilometre or part thereof.

## 2.3 – Upgrade and Downgrade Fees (€)

### 2.3.1 - Digital Wholesale Leased Line Upgrade

**Table 5 - Upgrade fees to 31st October 2011**

<b>Connection Charge per local end €</b>			
(Where an existing Wholesale Leased Line bandwidth is upgraded to one of the following bandwidths)			
<b>Analogue</b>	<b>64k –128k</b>	<b>192k – 1024k</b>	<b>1088k – 2048k</b>
490.63	584.08	700.89	1,051.34

**Table 5 - Upgrade fees from 1st November 2011 to 30th April 2012**

<b>Connection Charge per local end €</b>			
(Where an existing Wholesale Leased Line bandwidth is upgraded to one of the following bandwidths)			
<b>Analogue</b>	<b>64k –128k</b>	<b>192k – 1024k</b>	<b>1088k – 2048k</b>
0	0	0	0.00

**Table 5 - Upgrade fees from 1st May 2012 to 30<sup>th</sup> April 2013**

<b>Connection Charge per local end €</b>			
(Where an existing Wholesale Leased Line bandwidth is upgraded to one of the following bandwidths)			
<b>Analogue</b>	<b>64k –128k</b>	<b>192k – 1024k</b>	<b>1088k – 2048k</b>
490.63	0	0	0.00

**Table 5 - Upgrade fees from 1st May 2013**

<b>Connection Charge per local end €</b>			
(Where an existing Wholesale Leased Line bandwidth is upgraded to one of the following bandwidths)			
<b>Analogue</b>	<b>64k –128k</b>	<b>192k – 1024k</b>	<b>1088k – 2048k</b>
490.63	584.08	700.89	1,051.34

### 2.3.2 - Digital Wholesale Leased Line Downgrade

**Table 6**

<b>Connection Charge per local end €</b>			
(Where an existing Wholesale Leased Line bandwidth less than or equal to 2048k is downgraded to one of the following bandwidths)			
<b>1984k – 1088k</b>	<b>1024 – 192k</b>	<b>128k – 64k</b>	<b>Analogue</b>
1,051.34	700.89	584.08	490.63

#### Notes :

1. The rates shown above apply from 9.00 to 17.00 Monday to Friday (excluding public holidays). A rate of 1.5 times the charges shown above will apply to upgrades or downgrades which are requested by the customer to be completed during the hours of 17.00 to 20.00 Monday to Friday (excluding public holidays). At all other times (excluding public holidays) the rate applied will be 2 times the charges shown above. The company will not normally provide an on site presence outside 9.00 to 17.00 hours Monday to Friday or at any time on public holidays.
2. The time frames above refer to the time at which the upgrade or the downgrade of the Wholesale Leased Line is commenced. It does not mean that a leased line will only be out of service for that period of time.

3. Where eircom fail to complete an upgrade or a downgrade of a Wholesale Leased Line within the customer requested timeframe the charge applied will be the charge relevant to the time frame that the work commenced.
4. A Wholesale Leased Line downgrade option is not available on a 34 MB Wholesale Leased Line.
5. Rental charges for upgraded and downgraded Wholesale Leased Line(s) will be based on the revised bandwidth.
6. A specific quotation based on a site survey and estimate of the work involved will be given where a customer requests more than 5 Wholesale Leased Lines to be upgraded or downgraded at the same time.

## 2.4 - Change of Address Fees (€)

**Table 7**

<b>National Change of Address</b>	<b>Connection Charge per Wholesale Leased Line ( local end) €</b>
All bandwidths	As per relevant Wholesale Leased Line local end connection charge

Notes.

1. Change of address relates to a customer requiring one end of an existing Wholesale Leased Line to be relocated to another address. Eircom will use its reasonable endeavours to ensure a minimum amount of disruption during a change of address however the company does not guarantee continuity of service.
2. The rates shown above apply from 9.00 to 17.00 Monday to Friday (excluding public holidays). A rate of 1.5 times the charges shown above will apply to change of address which is requested by the customer to be completed during the hours of 17.00 to 20.00 Monday to Friday (excluding public holidays). At all other times (excluding public holidays) the rate applied will be 2 times the charges shown above. Eircom will not normally provide an on site presence outside 9.00 to 17.00 hours Monday to Friday or at any time on public holidays.
3. The time frames above refer to the time at which the change of address is commenced. It does not mean that a Wholesale Leased Line will only be out of service for that period of time.
4. Where Eircom fails to complete a change of address of a Wholesale Leased Line within the customer requested timeframe the charge applied will be the charge relevant to the time frame that the work commenced.
5. A single end change of address Wholesale Leased Line is subject to a minimum contract period of 12 months commencing on the date that the change of address is completed. Where a single end change of address is requested to a Wholesale Leased Line that has been rented for less than 12 months the balance of the unexpired minimum term contract will not apply.
6. Rental charges for a single end change of address Wholesale Leased Line will be based on the revised location.
7. If a customer requires a change of address at both ends of a Wholesale Leased Line Eircom will consider this to be the cessation of one Wholesale Leased Line and the provision of another Wholesale Leased Line. Where such a situation occurs standard Wholesale Leased Line contract terms and conditions will apply to the ceased Wholesale Leased Line.
8. A specific quotation based on a site survey and estimate of the work involved will be given where a customer requests a planned change of address to be carried out for more than 5 Wholesale Leased Lines at the same time.

## 2.5 - Cancellation Charges for Wholesale Leased Line(s) (including Channelised E1 access) (€)

**Table 8**

For cancellation of Wholesale Leased Line(s) orders by or less than 5 working days after the receipt of a written request to provide the Wholesale Leased Line(s) but before the Leased Line(s) is provided.	30% of the relevant connection charge
For cancellation of Wholesale Leased Line(s) orders more than 5 working days after the receipt of a written request to provide the Wholesale Leased Line(s) but before the Wholesale Leased Line(s) is provided.	an amount equivalent to the connection charge or such other charge as the company may determine from time to time.

Note

Any request for cancellation of a Wholesale Leased Line order must be made in writing to eircom.

## Section 3 – Wholesale Channelised Leased Lines

### 3.1 – Charging for 2Mb Bearer (€)

**Table 9**

<b>Channelised 2Mb Bearer</b>	<b>Charge</b>
New Connection	6494.96
Annual Rental (Up to 1.5km)	6,282.36
Annual Rental per additional 100 metres or part thereof	327.09

**Notes :**

1. Circuits will terminate on a single 2MB, G703 interface using CCIT G704 framing. Customers must provide equipment at the Channelised E1 Access end to allow Wholesale Leased Lines to be looped back during testing.

### 3.2 – Wholesale Channelised Leased Line Remote End Connection Fees (€)

Connection Fees charged are as per, Table 2, Section 2.1 above – Digital Wholesale Leased Lines (WLL) Connection Fees

**Notes :**

1. Conversion from Digital Wholesale Leased Lines to Wholesale Channelised Leased Lines minimum charge € 151.86. The same minimum charge applies for a Change of Address at the Remote End.
2. Where unsuitable equipment exists at the remote end, the charge for the local loop at the remote end site is as per Wholesale Leased Line local charge. Where suitable equipment exists at the remote end, a minimum charge of €165.07 applies per individual order and there is a further €38.09 charge for each additional circuit on the same order.
3. Where two sites have Channelised E1 Access, the conversion or addition of a circuit between those sites attracts a minimum charge €165.07 per individual order. There is a further €38.09 charge for each additional circuit on the same order.
4. This service is supplied on the basis that the company does not guarantee continuity of service. The conversion charges above apply for work carried out during normal working hours (Monday to Friday 9.00 am to 5.00pm, excluding public holidays).
5. Connection fees for a second and subsequent local end provided at the same time for the same customer using the same path from the same address, is 75% of the standard rate of connection charge for that end of the circuit only. This applies to digital circuits only.



### 3.3 - Wholesale Channelised Leased Line Remote End Rental Fees (€)

**Table 10**

Circuit Speed	Per Local End	Additional 100m Local Loop	Main Link Access Charge (1)	Main Link 1-30Km per Km	Above 30Km per Km
9.6 or 64 kb/s	710.24		167.05	54.91	4.20
128 kb/s	710.24		335.26	65.42	7.71
192 kb/s	1,357.40		501.73	75.93	11.68
256 kb/s	1,357.40		669.36	86.44	15.19
320 kb/s	1,357.40		827.64	96.96	19.15
384 kb/s	1,357.40		967.82	106.31	22.55
448 kb/s	1,357.40		1,108.00	116.81	26.63
512 kb/s	1,357.40		1,248.18	128.50	30.49
576 kb/s	1,357.40		1,388.36	137.84	34.11
640 kb/s	1,357.40		1,527.95	148.36	37.85
704 kb/s	1,357.40		1,668.13	158.87	41.47
768 kb/s	1,357.40		1,808.90	169.38	45.21
832 kb/s	1,357.40		1,948.49	179.90	48.94
896 kb/s	1,357.40		2,088.67	190.41	52.69
960 kb/s	1,357.40		2,228.85	200.92	56.42
1024 kb/s	1,357.40	70.09	2,369.03	211.43	60.16
1088 kb/s	2,102.69	70.09	2,386.55	214.94	61.68
1152 kb/s	2,102.69	70.09	2,404.07	218.44	63.31
1216 kb/s	2,102.69	70.09	2,421.01	223.12	64.83
1280 kb/s	2,102.69	70.09	2,438.54	226.62	66.35
1344 kb/s	2,102.69	70.09	2,456.64	230.13	67.87
1408 kb/s	2,102.69	70.09	2,474.16	234.80	69.39
1472 kb/s	2,102.69	70.09	2,491.10	238.31	70.90
1536 kb/s	2,102.69	70.09	2,508.63	242.98	72.42
1600 kb/s	2,102.69	70.09	2,526.15	246.48	74.06
1664 kb/s	2,102.69	70.09	2,543.67	249.98	75.58
1728 kb/s	2,102.69	70.09	2,561.19	254.66	77.10
1792 kb/s	2,102.69	70.09	2,578.71	258.16	78.61
1856 kb/s	2,102.69	70.09	2,596.24	261.67	80.13
1920 kb/s	2,102.69	70.09	2,613.76	266.34	81.65
1984 kb/s	2,102.69	70.09	2,630.70	269.85	83.18
2048 kb/s	2,102.69	70.09	2,648.80	274.52	84.81

**Notes :**

1. Main link access charge applies to all circuits where inter-exchange distance is greater than zero kilometres.
2. Distance is charged per kilometre for each main-link kilometre or part thereof.
3. Charging for the Channelised E1 Access will commence on completion of the provision of the Channelised E1 Access. Eircom will use its reasonable commercial endeavours to connect remote sites as rapidly as possible. Normal Wholesale Leased Line delivery times apply to the channelised and remote sites.

## **Section 4 – General Charging Principles**

### **4.1 Operator Delay**

In accordance with the Carrier Services SLA, eircom is to provide a Wholesale Leased Line by the due delivery date (“Due DeliveryDate”). The Due Delivery Date is the date notified to the Operator by eircom(calculated in accordance with the procedures laid down in the Carrier Services SLA) as being the date by which eircom shall provide the Wholesale Leased Line to the Operator.

In the event that eircom is unable to provide the Service by the Due Delivery Date due to a Operator delay where the period of the Operator delay is three months or greater from the originally agreed Due Delivery Date, eircom shall cancel the order and the Operator shall be liable to pay the full Connection Charge to eircom. The Operator may reschedule the Due Delivery Date at any time, without penalty, provided that the rescheduling takes place at least three (3) Working Days prior to the Due Delivery Date then the Operator shall be obliged to pay to eircom fifty percent (50%) of the Connection Fee. For the avoidance of doubt, regardless of any rescheduling which may have taken place at the request of the Customer, once the Due Delivery Date has been rescheduled to a date which is three (3) months or more from the originally agreed Due Delivery Date, eircom shall cancel the order and the Operator shall be liable to pay the full Connection Charge to eircom.

### **4.2 Access to End User Premises**

It shall be the Operator’s responsibility to allow eircom or to arrange for eircom to be allowed access to End User Premises for the purposes of carrying out provisioning. In the even t of eircom being denied such access or being unable to obtain access to the End User Premises, the Operator shall be liable to pay eircom such sum as represents fifty percent (50%) of the Connection Fee

In addition to the Connection Fee, in the case of access being denied, eircom may make a charge for abortive work done or money spent in attempting to gain access to the Premises. Eircom may also charge for the book value of non-recovered Telecommunications Apparatus in accordance with current valuations.

The Operator shall allow eircom or arrange for eircom to be allowed access to Premises for the purposes of carrying out fault repairs. In the event of eircom being denied such access or being unable to obtain access to the Premises, eircom shall be entitled to charge the Operator in respect of abortive work done or time spent in attempting to gain access to the Premises in accordance with the applicable hourly rate in force for the time being.

### **4.3 Non eircom Network Fault**

If eircom carries out work to correct a reported fault in service and finds no fault in the eircom network, eircom shall be entitled to charge the Operator for abortive work done or money spent to determine such an outcome in accordance with the applicable hourly rate in force for the time being.

### **4.4 Additional Charges**

The charges in this Service Schedule do not include any additional charges which may arise for building new duct and civil work for non-standard sites.

## 4.5 Call out Charges

The hourly charges applicable to certain works carried out by eircom in relation to Wholesale Leased Lines for the provision and maintenance of specific customer service requirements are outlined in table below:

**Table 11**

Service	Work Carried out during	Fixed Fee (€)	
Call Out Fee	Business Hours 09-00 to 17-00	75.00	
	After Hours 17-00 to 09-00	150.00	
		Min Charge (€)	Per Hour Thereafter (€)
On-Site Weekday service (Minimum charge of half an hour applies)	Business Hours 09-00 to 17-00	* 150.00	150.00
	After Hours 17-00 to 09-00	300.00 (Call out + 1st hour labour)	300.00
On-Site Weekend service (Minimum charge of four hours applies)	Saturday, Sunday & Public Holidays	* 1200 (4 hour labour)	300.00
Remote Maintenance Test	Mon - Fri 09-00 to 17-00	75.00	
	Mon - Fri 17-00 to 09-00 & all day Sat, Sun & Public Hols	150.00	

**Notes :**

1. Chargeable Provision Service includes:

- Wiring work carried out on a customer's premises in excess of the standard parameters.
- Customer request for installation to be provided outside of normal business hours.
- Customer request for remote/on-site backup support.

2. Chargeable Maintenance Service include:

- Customer misoperation/damage
- Fault with non-*eircom* customer premises equipment
- Customer power supply issues
- Network co-operation test request

\* For weekend service an additional Call-out charge will only be charged for On- Site maintenance. Charges exclude additional material costs (where required). Service charges are not limited to those listed above. Customers will be advised of changes as they occur. All charges quoted are exclusive of VAT, which will be applied at the appropriate rate.

\* Call out charges will not apply where an *eircom* Technician is already at a customer's premises on work related to scheduled work.

## Service Schedule 007

### Ethernet Aggregation Links

1. 1. The charges for Ethernet Aggregation Links shall comprise of both installation and annual rental elements as set out below.

**Table 1 - CSH Ethernet Aggregation Link Connection Fees in EURO**

CSH Ethernet Aggregation Link	Connection Fee	Effective From	Effective to
100Mb	2,352.00		30/09/09
100Mb	2,187.00	01/10/09	31/03/10
100Mb	2,077.00	01/04/10	

**Table 2 - CSH Ethernet Aggregation Link Annual Rental Fees in EURO**

CSH Ethernet Aggregation Link	Local Access up to 1.5km	Local Access > 1.5km (per 100m)
100Mb	9,063.00	378.00

**Table 3 - ISH Ethernet Aggregation Link Connection Fees in EURO**

ISH Ethernet Aggregation Link	Connection Fee	Effective From	Effective to
100Mb	13,569.00		30/09/09
100Mb	12,619.00	01/10/09	31/03/10
100Mb	11,988.00		

**Table 4 - ISH Ethernet Aggregation Link Annual Rental Fees in EURO**

ISH Ethernet Aggregation Link	
100Mb	843.00

**Table 5 - IBH Ethernet Aggregation Link Connection Fees in EURO**

IBH Ethernet Aggregation Link	Connection Fee	Effective From	Effective to
100Mb	10,616.00	13/10/09	31/03/2010
100Mb	10,085.00	01/04/10	

**Table 6 - IBH Ethernet Aggregation Link Annual Rental Fees in EURO**

IBH Ethernet Aggregation Link	Annual Rental	Effective From	Effective to
100Mb	843.00	13/10/09	

## Service Schedule 008

### Uncontended Ethernet Access Circuits

- The charges for Ethernet Access Circuits shall comprise installation, upgrade, downgrade, cessation, and annual rental elements as set out below.

**Table 1 - Uncontended Ethernet Access Circuit Connection / Upgrade / Downgrade Fees in EURO**

Uncontended Ethernet Access Circuit Speed	Connection / Upgrade / Downgrade Fee	Effective From	Effective to
512 kb/s	544.01		30/09/09
512 kb/s	505.92	01/10/09	31/03/10
512 kb/s	480.62	01/04/10	31/12/10
512 kb/s	456.58	01/01/11	
1Mb	544.01		30/09/09
1Mb	505.92	01/10/09	31/03/10
1Mb	480.62	01/04/10	31/12/10
1Mb	456.58	01/01/11	
2Mb	808.67		30/09/09
2Mb	752.06	01/10/09	31/03/10
2Mb	714.45	01/04/10	31/12/10
2Mb	678.72	01/01/11	
4Mb	808.67		30/09/09
4Mb	752.06	01/10/09	31/03/10
4Mb	714.45	01/04/10	31/12/10
4Mb	678.72	01/01/11	
6Mb	808.67		30/09/09
6Mb	752.06	01/10/09	31/03/10
6Mb	714.45	01/04/10	31/12/10
6Mb	678.72	01/01/11	
8Mb	808.67		30/09/09
8Mb	752.06	01/10/09	31/03/10
8Mb	714.45	01/04/10	31/12/10
8Mb	678.72	01/01/11	
10Mb	808.67		30/09/09
10Mb	752.06	01/10/09	31/03/10
10Mb	714.45	01/04/10	31/12/10
10Mb	678.72	01/01/11	

**Table 2 – Addition / Removal of VLAN(s)**

<b>Charge per VLAN (Euro)</b>
<b>50.00</b>

**Table 3 - Uncontended Ethernet Access Circuit Annual Rental Fees in EURO - Effective to 30 September 2009**

Ethernet Access Circuit Speed	Local Access less than 1.5km	Local Access > 1.5km (per 100m)	Main Link Access (where Main Link Distance >0)	Main Link Access (where Main Link Distance = 0)	Main Link Distance Up to 30 km	Main Link Distance > 30 km
512 kb/s	549.00	0.00	2,051.00	1,025.00	91.00	48.00
1Mb	1,110.00	26.00	3,721.00	1,860.00	176.00	93.00
2Mb	1,110.00	28.00	4,135.00	2,067.00	195.00	104.00
4Mb	2,164.00	57.00	4,631.00	2,315.00	265.00	141.00
6Mb	3,163.00	86.00	5,078.00	2,539.00	315.00	168.00
8Mb	4,107.00	115.00	5,242.00	2,621.00	351.00	187.00
10Mb	4,995.00	143.00	5,367.00	2,683.00	384.00	204.00

**Table 3 - Uncontended Ethernet Access Circuit Annual Rental Fees in EURO - Effective from 1st October 2009 to 31st March 2010**

Ethernet Access Circuit Speed	Local Access less than 1.5km	Local Access > 1.5km (per 100m)	Main Link Access (where Main Link Distance >0)	Main Link Access (where Main Link Distance = 0)	Main Link Distance Up to 20 km	Main Link Distance > 20 km
512 kb/s	549.00	0.00	1,952.00	976.00	91.00	48.00
1Mb	1,110.00	26.00	3,433.00	1,716.50	176.00	93.00
2Mb	1,110.00	28.00	3,574.00	1,787.00	195.00	104.00
4Mb	2,164.00	57.00	3,957.00	1,978.50	265.00	141.00
6Mb	3,163.00	86.00	4,288.00	2,144.00	315.00	168.00
8Mb	4,107.00	115.00	4,374.00	2,187.00	351.00	187.00
10Mb	4,995.00	143.00	4,425.00	2,212.50	384.00	204.00

**Table 3 - Uncontended Ethernet Access Circuit Annual Rental Fees in EURO - Effective from 1 April 2010 to 31 December 2010**

Ethernet Access Circuit Speed	Local Access less than 1.5km	Local Access > 1.5km (per 100m)	Main Link Access (where Main Link Distance >0)	Main Link Access (where Main Link Distance = 0)	Main Link Distance Up to 20 km	Main Link Distance > 20 km
512 kb/s	549.00	0.00	1,838.00	919.00	91.00	48.00
1Mb	1,110.00	26.00	3,081.00	1,540.50	176.00	93.00
2Mb	1,110.00	28.00	3,081.00	1,540.50	195.00	104.00
4Mb	2,164.00	57.00	3,371.00	1,685.50	265.00	141.00
6Mb	3,163.00	86.00	3,610.00	1,805.00	315.00	168.00
8Mb	4,107.00	115.00	3,639.00	1,819.50	351.00	187.00
10Mb	4,995.00	143.00	3,639.00	1,819.50	384.00	204.00

**Table 3 - Uncontended Ethernet Access Circuit Annual Rental Fees in EURO - Effective from 1 January 2011**

Ethernet Access Circuit Speed	Local Access less than 1.5km	Local Access > 1.5km (per 100m)	Main Link Access (where Main Link Distance >0)	Main Link Access (where Main Link Distance = 0)	Main Link Distance Up to 20 km	Main Link Distance > 20 km
512 kb/s	527.00	0.00	1,710.00	855.00	91.00	48.00
1Mb	1,066.00	26.00	2,691.00	1,346.00	176.00	93.00
2Mb	1,066.00	28.00	2,691.00	1,346.00	195.00	104.00
4Mb	2,077.00	57.00	2,910.00	1,455.00	265.00	141.00
6Mb	3,036.00	86.00	3,080.00	1,540.00	315.00	168.00
8Mb	3,942.00	115.00	3,069.00	1,534.00	351.00	187.00
10Mb	4,795.00	143.00	3,032.00	1,516.00	384.00	204.00

## Contended Ethernet Access Circuits

**Table 1 - Contended Wholesale Ethernet Access Service Connection / Upgrade / Downgrade Fees in EURO**

Contended Ethernet Access Circuit Speed	Connection / Upgrade / Downgrade Fee	Effective From	Effective to
512 kb/s	500.00	11/11/2009	
1Mb	500.00	11/11/2009	
2Mb	500.00	11/11/2009	
4Mb	500.00	11/11/2009	
6Mb	500.00	11/11/2009	
8Mb	500.00	11/11/2009	
10Mb	500.00	11/11/2009	

**Table 2 - Addition / Removal / Change of each VLAN(s) - Effective from 11/11/09**

Charge Per VLAN (Euro)
50.00

**Table 3 - Contended Wholesale Ethernet Access Service Annual Rental Fees in EURO - Effective from 11/11/09**

Contended Wholesale Ethernet Access Circuit Speed	Local Access	Main Link Access (where Main Link Distance >0)	Main Link Access (where Main Link Distance = 0)	Main Link Distance Up to 20 km	Main Link Distance > 20 km
512 kb/s	549	928	469	91	48
1Mb	615	1,173	687	176	93
2Mb	1,110	1,518	804	195	104
4Mb	2,196	1,781	890	265	141
6Mb	2,196	1,930	965	350	178
8Mb	2,500	2,187	1,094	435	215
10Mb	2,800	2,212	1,106	520	252



## Service Schedule 009

### Regional Ethernet Aggregation Links

**Table 1 - Wholesale Regional Ethernet Aggregation Link Connection Fees in EURO**

Capacity	Connection Fee (standard 24-port NTU).	Effective From	Effective to
1000Mb	3,350	11/11/09	

**Table 2 - Wholesale Regional Ethernet Aggregation Link Annual Rental Fees in EURO - Effective from 11/11/09**

Capacity	Aggregation Link Access (max 4km)	Aggregation link distance per 100m
1000 Mbit/s	21,000	383

Note: The first Aggregation Link at any WREA Node will be subject to a 80% Isolation Discount on the standard annual rental price, resulting in a discounted annual rental of €4,200.

This discount will be withdrawn when the WREA Node location is connected to the NGN and equivalent NGN products are available.

All Pricing is subject to a final engineering survey and does not include any additional civil works which may arise. The standard price applies where the customer's premises is served by useable eircom owned duct and is within 500 metres of an available eircom access fibre which can connect to the eircom access node.

The standard price does not include costs for installing any new duct or clearing existing duct nor does it include any civil works which may be necessary to establish a connection between the nearest eircom fibre and the customer's premises.

The customer is responsible for any costs associated with duct work within their own curtilage

## Service Schedule 010

### Regional Ethernet Access Circuits

1. The charges for Regional Ethernet Access Circuits shall comprise installation, upgrade downgrade, cessation, and annual rental elements as set out below.

**Table 1 - Wholesale Regional Ethernet Access Circuit Connection / Upgrade / Downgrade Fees in EURO**

Capacity	Connection / Upgrade / Downgrade Fee	Effective From	Effective to
10 Mbit/s	3,350	11/11/09	25/04/10
10 Mbit/s	2,400	26/04/10	
20 Mbit/s	3,350	11/11/09	25/04/10
20 Mbit/s	2,400	26/04/10	
30 Mbit/s	3,350	11/11/09	25/04/10
30 Mbit/s	2,400	26/04/10	
40 Mbit/s	3,350	11/11/09	25/04/10
40 Mbit/s	2,400	26/04/10	
50 Mbit/s	3,350	11/11/09	25/04/10
50 Mbit/s	2,400	26/04/10	
75 Mbit/s	3,350	11/11/09	25/04/10
75 Mbit/s	2,400	26/04/10	
100 Mbit/s	3,350	11/11/09	25/04/10
100 Mbit/s	2,400	26/04/10	
200 Mbit/s	3,350	11/11/09	25/04/10
200 Mbit/s	2,400	26/04/10	
300 Mbit/s	3,350	11/11/09	25/04/10
300 Mbit/s	2,400	26/04/10	
400 Mbit/s	3,350	11/11/09	25/04/10
400 Mbit/s	2,400	26/04/10	
500 Mbit/s	3,350	11/11/09	25/04/10
500 Mbit/s	2,400	26/04/10	
600 Mbit/s	3,350	11/11/09	25/04/10
600 Mbit/s	2,400	26/04/10	
700 Mbit/s	3,350	11/11/09	25/04/10
700 Mbit/s	2,400	26/04/10	
800 Mbit/s	3,350	11/11/09	25/04/10
800 Mbit/s	2,400	26/04/10	
900 Mbit/s	3,350	11/11/09	25/04/10
900 Mbit/s	2,400	26/04/10	
1000 Mbit/s	3,350	11/11/09	25/04/10
1000 Mbit/s	2,400	26/04/10	

**Table 2 - Wholesale Regional Ethernet Access Circuit  
Annual Rental Fees in EURO - Effective from 11/11/09 to 25/04/10**

Capacity	Standard CoS Access (max 4km)	Access distance per 100m
10 Mbit/s	4,179	383
20 Mbit/s	4366	383
30 Mbit/s	4617	383
40 Mbit/s	4878	383
50 Mbit/s	5163	383
75 Mbit/s	5890	383
100 Mbit/s	6689	383
200 Mbit/s	8912	383
300 Mbit/s	11372	383
400 Mbit/s	13240	383
500 Mbit/s	15108	383
600 Mbit/s	16977	383
700 Mbit/s	18,845	383
800 Mbit/s	20,713	383
900 Mbit/s	22581	383
1000 Mbit/s	23857	383

**Table 2 - Wholesale Regional Ethernet Access Circuit  
Annual Rental Fees in EURO - Effective from 26/04/10**

Capacity	Standard CoS Access (max 4km)	Access distance per 100m
10 Mbit/s	2,820	300
20 Mbit/s	2,940	300
30 Mbit/s	3,109	300
40 Mbit/s	3,285	300
50 Mbit/s	3,420	300
75 Mbit/s	3,804	300
100 Mbit/s	4,320	300
200 Mbit/s	5,700	300
300 Mbit/s	7,200	300
400 Mbit/s	8,400	300
500 Mbit/s	9,600	300
600 Mbit/s	10,800	300
700 Mbit/s	12,000	300
800 Mbit/s	13,200	300
900 Mbit/s	14,400	300
1000 Mbit/s	15,300	300

Note: All Pricing is subject to a final engineering survey and does not include any additional civil works which may arise. The standard price applies where the customers premises is served by useable eircom owned duct and is within 500 metres of an available eircom access fibre which can connect to the eircom access node.

The standard price does not include costs for installing any new duct or clearing existing duct nor does it include any civil works which may be necessary to establish a connection between the nearest eircom fibre and the customer's premises.

The customer is responsible for any costs associated with duct work within their own curtilage

**Table 3 - Addition / Removal / Change of each VLAN(s)**  
**- Effective from 11/11/09**

Charge Per VLAN (Euro)
50

## Service Schedule 011

### Dublin Ethernet Aggregation Links

**Table 1 - Wholesale Dublin Ethernet Aggregation Link Connection Fees in EURO**

Capacity	Connection Fee (standard 24-port NTU).	Connection Fee 48-port NTU)	Effective From	Effective to
1000Mb	3,350	5,350	11/11/09	

Note: The type of NTU must be selected at time of order

**Table 2 - Wholesale Dublin Ethernet Aggregation Link Annual Rental Fees in EURO - Effective from 11/11/09**

Capacity	Aggregation Link Access (max 4km)	Aggregation link distance per 100m
1000 Mbit/s	21,000	383

Note: All Pricing is subject to a final engineering survey and does not include any additional civil works which may arise. The standard price applies where the customers premises is served by useable eircom owned duct and is within 500 metres of an available eircom access fibre which can connect to the eircom access node.

The standard price does not include costs for installing any new duct or clearing existing duct nor does it include any civil works which may be necessary to establish a connection between the nearest eircom fibre and the customers premises. The customer is responsible for any costs associated with duct work within their own curtilage

## Service Schedule 012

### Dublin Ethernet Access Circuits

1. The charges for Dublin Ethernet Access Circuits shall comprise installation, upgrade, downgrade, cessation, and annual rental elements as set out below.

**Table 1 - Wholesale Dublin Ethernet Access Circuit Connection / Upgrade / Downgrade Fees in EURO**

Capacity	Connection / Upgrade / Downgrade Fee	Effective From	Effective to
10 Mbit/s	3,350	11/11/09	25/04/10
10 Mbit/s	2,400	26/04/10	
20 Mbit/s	3,350	11/11/09	25/04/10
20 Mbit/s	2,400	26/04/10	
50 Mbit/s	3,350	11/11/09	25/04/10
50 Mbit/s	2,400	26/04/10	
60 Mbit/s	3,350	11/11/09	25/04/10
60 Mbit/s	2,400	26/04/10	
100 Mbit/s	3,350	11/11/09	25/04/10
100 Mbit/s	2,400	26/04/10	
150 Mbit/s	3,350	11/11/09	25/04/10
150 Mbit/s	2,400	26/04/10	
200 Mbit/s	3,350	11/11/09	25/04/10
200 Mbit/s	2,400	26/04/10	
300 Mbit/s	3,350	11/11/09	25/04/10
300 Mbit/s	2,400	26/04/10	
400 Mbit/s	3,350	11/11/09	25/04/10
400 Mbit/s	2,400	26/04/10	
500 Mbit/s	3,350	11/11/09	25/04/10
500 Mbit/s	2,400	26/04/10	
600 Mbit/s	3,350	11/11/09	25/04/10
600 Mbit/s	2,400	26/04/10	
700 Mbit/s	3,350	11/11/09	25/04/10
700 Mbit/s	2,400	26/04/10	
800 Mbit/s	3,350	11/11/09	25/04/10
800 Mbit/s	2,400	26/04/10	
900 Mbit/s	3,350	11/11/09	25/04/10
900 Mbit/s	2,400	26/04/10	
1000 Mbit/s	3,350	11/11/09	25/04/10
1000 Mbit/s	2,400	26/04/10	

**Table 2 - Wholesale Dublin Ethernet Access Circuit  
Annual Rental Fees in EURO - Effective from 11/11/09 to 25/04/10**

Capacity	Standard CoS Access (max 4km)	Premium CoS Access (max 4km)	Access distance per 100m
10 Mbit/s	4,179	5,470	383
20 Mbit/s	4,366	6,060	383
50 Mbit/s	5,163	8,570	383
60 Mbit/s		9,604	383
100 Mbit/s	6,689	12,556	383
150 Mbit/s		15,358	383
200 Mbit/s	8,912		383
300 Mbit/s	11,372		383
400 Mbit/s	13,240		383
500 Mbit/s	15,108		383
600 Mbit/s	16,977		383
700 Mbit/s	18,845		383
800 Mbit/s	20,713		383
900 Mbit/s	22,581		383
1000 Mbit/s	23,857		383

**Table 2 - Wholesale Dublin Ethernet Access Circuit  
Annual Rental Fees in EURO - Effective from 26/04/10**

Capacity	Standard CoS Access (max 4km)	Premium CoS Access (max 4km)	Access distance per 100m
10 Mbit/s	2,820	3,525	300
20 Mbit/s	2,940	3,900	300
50 Mbit/s	3,420	5,400	300
60 Mbit/s		6,000	300
100 Mbit/s	4,320	7,800	300
150 Mbit/s		9,600	300
200 Mbit/s	5,700		300
300 Mbit/s	7,200		300
400 Mbit/s	8,400		300
500 Mbit/s	9,600		300
600 Mbit/s	10,800		300
700 Mbit/s	12,000		300
800 Mbit/s	13,200		300
900 Mbit/s	14,400		300
1000 Mbit/s	15,300		300

Note: All Pricing is subject to a final engineering survey and does not include any additional civil works which may arise .The standard price applies where the customer's premises is served by useable eircom owned duct and is within 500 metres of an available eircom access fibre which can connect to the eircom access node.

The standard price does not include costs for installing any new duct or clearing existing duct nor does it include any civil works which may be necessary to establish a connection between the nearest eircom fibre and the customer's premises.

The customer is responsible for any costs associated with duct work within their own curtilage

### Wholesale Dublin Ethernet Access Traffic-Based CoS

For a port to be provided with Traffic-based CoS, both Standard and Premium CoS must be ordered. The charge is the sum of the two capacities ordered (as per Standard and Premium tables above), less a discount of Euro 3,350 as the capacities are provided on a single port.

In addition to the Premium capacities available above, the following capacities are available only for Traffic-based CoS ports. These cannot be ordered unless the circuit has 10 Mbit/s of other capacity (in situ, or ordered at the same time).

**Table 3 - Wholesale Dublin Ethernet Access Traffic-Based CoS Circuit  
Annual Rental Fees in EURO - Effective from 11/11/09**

Premium Capacity	Traffic-Based CoS Rental per annum
1 Mbit/s	4,138
2 Mbit/s	4,350
3 Mbit/s	4,478
4 Mbit/s	4,605
5 Mbit/s	4,690

**Table 4- Addition / Removal / Change of each VLAN(s)  
- Effective from 11/11/09**

Charge Per VLAN (Euro)
50.00



### Service Schedule 013

#### Wholesale Ethernet Interconnect Link

**Table 1 - Connection Fee - Wholesale Ethernet Interconnect Link – Effective from 16/08/10 to 15/03/11**

	<b>Circuit Speed</b>	<b>Connection Fee</b>
CSH	1000 Mb/s	€1,250
ISH	1000 Mb/s	€3,000
IBH	1000 Mb/s	€3,000

**Table 1 - Connection Fee - Wholesale Ethernet Interconnect Link – Effective from 16/03/11 to 31/05/11**

	<b>Circuit Speed</b>	<b>Connection Fee</b>
CSH	1000 Mb/s	€1,250
ISH	1000 Mb/s	€1,450
IBH	1000 Mb/s	€1,450
ISH	10 Gbps	€3,950
IBH	10 Gbps	€3,950

**Table 1 - Connection Fee - Wholesale Ethernet Interconnect Link – Effective from 01/06/11**

	<b>Circuit Speed</b>	<b>Connection Fee</b>
CSH	1000 Mb/s	€1,250
ISH	1000 Mb/s	€1,450
IBH	1000 Mb/s	€1,450
ISH	10 Gbps	€3,950
IBH	10 Gbps	€3,950
ENH	10 Gbps	€646 *

\* This charge is additional to the charges identified in Table 1(e)

The standard WEIL ENH connection applies where no additional infrastructure is required to provide the service. For second and subsequent circuits additional infrastructure charges may apply.

**Table 1 (a) - Wholesale Ethernet Interconnect Link - ZX Card – Effective from 16/08/10 to 28/06/12**

Fee
€488

**Table 1 (a) - Wholesale Ethernet Interconnect Link - ZX Card – Effective from 29/06/12**

Fee
€0

**Table 1 (b) - Wholesale Ethernet Interconnect Link - ER Card - Effective from 16/03/11**

Fee
€2,173

**Table 1 (c) - Wholesale Ethernet Interconnect Link - ZR Card - Effective from 16/03/11**

Fee
€3,569

The standard price applies where an Operator premises is served by useable eircom owned duct (useable duct for fibre assumes that there is sufficient space in the duct to draw in a subduct) and is within 500 metres of an available eircom access fibre which can connect to an eircom NGN node.

All pricing is subject to a final engineering survey and does not include any additional civil works which may arise.

The standard price does not include the costs associated with (1) installing any new duct or (2) clearing existing duct (3) new duct/poling and/or fibre build work (4) any civil works which may be necessary to establish a connection between the nearest eircom fibre and an Operator premises.

An Operator is responsible for any costs associated with duct work within their own curtilage.

eircom reserves the right to recover any additional costs incurred.

On request, eircom will provide a quote with an indicative price, which will be subject to full site survey. (Note 2)

Note 1:

10GBase-LR – theoretical maximum distance of 10km – actual distances more likely to be 4km is subject to full survey and physical testing

10GBase-ER- theoretical maximum distance of 40km – actual distances more likely to be 15km is subject to full survey and physical testing

10GBase-ZR- theoretical maximum distance of 80km – actual distances more likely to be 30km is subject to full survey and physical testing

Note 2: For orders classified as “Non Standard”, eircom may provide a revised quotation at Order Validation (OV) stage.

#### **Cancellation Charges**

Where the Operator cancels an order within 5 working days of Order Receipt eircom will charge 30% of the connection charges as set out in Table 1 above.

Where the Operator cancels an order after 5 working days of Order Receipt eircom will charge 50% of the connection charges as set out in Table 1 above.

**Table 1 (d) - Wholesale Ethernet Interconnect Link - In Building Handover, Quote Infrastructure Build (QIB) and Provide Infrastructure Build (PIB) – Effective from 21/04/11**

<b>Service</b>	<b>Fee</b>
QIB	€359
PIB up to 50 metres	€1,858
PIB per additional metre above 50m	€7.23

The table above outlines the QIB charge per site and the PIB charge that shall apply for this product. The PIB has a standard charge for a distance of up to 50M. Beyond this distance an additional charge per metre shall apply.

The above pricing applies for standard exchange configurations. Where exceptional circumstances arise, eircom reserve the right to raise additional fees to recover exceptional costs

The installation and commissioning of the Edge Node Handover infrastructure (PIB-ENH) is a prerequisite for delivery of a Wholesale Ethernet Interconnect Link ENH circuit, and is Operator specific. The associated survey work (QIB-ENH) is a non-chargeable item.

See Table 1 (e) below for the connection and rental fees associated with the WEIL ENH circuit delivered at an Edge Node Handover site.

The Wholesale Symmetric Ethernet Access (WSEA) Logical charges associated with handover at an Edge Node Handover site are shown in Schedule 014.

**Table 1 (e) - Wholesale Ethernet Interconnect Link - Edge Node Handover – Provide Infrastructure (PIB-ENH) charges – effective from 01/06/11 to 19/01/12**

10Gbps	Fixed charge	Site specific charge
Connection	€20,069	(CSH based pricing*)
Rental (infrastructure)	€19,186 (5 year contract) or €28,535 (3 year contract)	(CSH based pricing*)
Rental (maintenance)	€6,387	(CSH based pricing*)

**Table 1 (e) - Wholesale Ethernet Interconnect Link - Edge Node Handover – Provide Infrastructure (PIB-ENH) charges – effective from 20/01/12 to 28/06/12**

10Gbps	Fixed charge	Site specific charge
Connection	€20,069	(CSH based pricing*)
Connection with 1 + 1 protection	€20,948	(CSH based pricing*)
Rental (infrastructure)	€19,186 (5 year contract) or €28,535 (3 year contract)	(CSH based pricing*)
Rental with 1 + 1 protection (infrastructure)	€20,288 (5 year contract) or €30,106 (3 year contract)	(CSH based pricing*)
Rental (maintenance)	€6,387	(CSH based pricing*)

\* Distance based depending on the geographic relationship between the Infrastructure located at the Operator site and the eircom Edge Nodes

If 1+1 protection is applied to an existing 10Gb/s WEIL ENH circuit then additional infrastructure charges may apply.

**Table 1 (e) - Wholesale Ethernet Interconnect Link - Edge Node Handover – Provide Infrastructure (PIB-ENH) charges – effective from 29/06/12**

Connection		€20,069	
Rental per annum (Infrastructure and maintenance)	3 year contract	€28,535 + €6,387 (plus CSH based pricing per link)*	
	5 year contract	€19,186 + €6,387 (plus CSH based pricing per link)*	
	CSH based pricing (per link)	Up to 500m €1,913	Per additional 100m or part thereafter (CSH Based pricing)**
Connection with 1+1 protection		€20,948	
Rental per annum with 1+1 protection (Infrastructure and maintenance)	3 year contract	€30,106 + €6,387 (plus CSH based pricing per link)*	
	5 year contract	€20,288 + €6,387 (plus CSH based pricing per link)*	
	CSH based pricing (per link)	Up to 500m €1,913	Per additional 100m or part thereafter (CSH Based pricing)**

\* Distance based depending on the geographic relationship between the Infrastructure located at the Operator site and the eircom Edge nodes

\*\* Dependent on the physical site classification as per Table 2

If 1+1 protection is applied to an existing 10Gb/s WEIL ENH circuit then additional infrastructure charges may apply.

**Table 1 (f) - Wholesale Ethernet Interconnect Link - Edge Node Handover – Provide Infrastructure (PIB-ENH) charges (post contract term) – effective from 29/06/12**

Rental per annum		€6,387 (plus CSH based pricing per link)*	
	CSH based pricing (per link)	Up to 500m	Per additional 100m or part thereafter
		€1,913	(CSH Based pricing)**

\* Distance based depending on the geographic relationship between the Infrastructure located at the Operator site and the eircom Edge nodes

\*\* Dependent on the physical site classification as per Table 2

**Table 2 - Annual Rental - Wholesale Ethernet Interconnect Link – Effective from 16/08/10 to 15/03/11**

	Circuit Speed	Urban Rental	Provincial Rental	Rural Rental	
CSH	1000 Mb/s	€2,100	€2,162	€3,187	Up to 500m
CSH	1000 Mb/s	€154	€166	€324	Per additional 100m or part thereof
ISH	1000 Mb/s	€150	€150	€150	
IBH	1000 Mb/s	€150	€150	€150	

**Table 2 - Annual Rental - Wholesale Ethernet Interconnect Link –Effective from 16/03/11 to 31/05/11**

	Circuit Speed	Urban Rental	Provincial Rental	Rural Rental	
CSH	1000 Mb/s	€2,100	€2,162	€3,187	Up to 500m
CSH	1000 Mb/s	€154	€166	€324	Per additional 100m or part thereof
ISH	1000 Mb/s	€70	€70	€70	
IBH	1000 Mb/s	€70	€70	€70	
ISH	10 Gbps	€195	€195	€195	
IBH	10 Gbps	€195	€195	€195	

**Table 2 - Annual Rental - Wholesale Ethernet Interconnect Link –Effective from 01/06/11**

	Circuit Speed	Urban Rental	Provincial Rental	Rural Rental	
CSH	1000 Mb/s	€2,100	€2,162	€3,187	Up to 500m
CSH	1000 Mb/s	€154	€166	€324	Per additional 100m or part thereof
ISH	1000 Mb/s	€70	€70	€70	
IBH	1000 Mb/s	€70	€70	€70	
ISH	10 Gbps	€195	€195	€195	
IBH	10 Gbps	€195	€195	€195	
ENH	10 Gbps	€70 *			

\*This charge is additional to the charges identified in Table 1(e)

The “Urban, Provincial, Rural” classification is dependent on the NGN node that the Wholesale Ethernet Interconnect Link is connected to.

The breakdown of the WEIL "Urban, Provincial, Rural" categories & regions are detailed in the WEIL NGN node categorisation document (available via your account manager).

**Table 3 - Wholesale Ethernet Interconnect Link - Service Access Bandwidth (SAB) – Effective from 16/08/10**

Transaction Fee
€50

**Table 4 - Connection Fee (diversity circuit only) - Wholesale Ethernet Interconnect Link Physical Diversity - Effective from 29/06/12**

Option	Handover Type	Circuit Speed	Connection Fee
A	CSH	1000 Mb/s	€1,250
B	CSH	1000 Mb/s	€1,250

**Table 5 - Annual Rental (diversity circuit only) - Wholesale Ethernet Interconnect Link Physical Diversity - Effective from 29/06/12**

Option	Handover Type	Circuit Speed	Urban Rental	Provincial Rental	Rural Rental	
A	CSH	1000 Mb/s	€2,100	€2,162	€3,187	Up to 500m
A	CSH	1000 Mb/s	€154	€166	€324	Per additional 100m or part thereof
B	CSH	1000 Mb/s	€2,100	€2,162	€3,187	Up to 500m
B	CSH	1000 Mb/s	€154	€166	€324	Per additional 100m or part thereof

The “Urban, Provincial, Rural” classification is dependent on the NGN node that the Wholesale Ethernet Interconnect Link is connected to.

The breakdown of the WEIL "Urban, Provincial, Rural" categories & regions are detailed in the WEIL NGN node categorisation document (available via your account manager).

**Table 5(a) - Annual Rental (diversity circuit only) - Wholesale Ethernet Interconnect Link Physical Diversity - (From Local exchange to NGN node) - Effective from 29/06/12**

Option	Handover Type	Circuit Speed	High to High Density	High to Medium / Medium to High Density	Medium to Medium Density	
A	CSH	1000 Mb/s	€110	€200	€260	Per 100m
B	CSH	1000 Mb/s	€110	€200	€260	Per 100m

**Table 6 - Survey charges (diversity circuit only) - Wholesale Ethernet Interconnect Link Physical Diversity (From Local exchange to NGN node) - Effective from 29/06/12**

<b>Option</b>	<b>Handover Type</b>	<b>Survey Type</b>	<b>Survey Fee</b>
All options	CSH	Site Survey	€1,000

Note: The survey fee will be charged to the Operator in the scenario where the Operator places a survey order but decides not to proceed with the diversity provide order. If the Operator proceeds with the diversity order the survey costs will be discounted against the provisioning costs of the diversity circuit.



## Service Schedule 014

### Wholesale Symmetrical Ethernet Access

**Table 1 - Connection Fee - Wholesale Symmetrical Ethernet Access (Physical) – Effective from 16/08/10 to 10/11/11**

Circuit Speed	Connection Fee
All Speeds	€1,250

**Table 1 - Connection Fee - Wholesale Symmetrical Ethernet Access (Physical) – Effective from 11/11/11**

	Circuit Speed	Connection Fee
CSH	All Speeds	€1,250
IBH	All Speeds	€1,197

**Table 1 (a) - Wholesale Symmetrical Ethernet Access (Physical) - ZX Card – Effective from 16/08/10 to 28/06/12**

Fee
€488

**Table 1 (a) - Wholesale Symmetrical Ethernet Access (Physical) - ZX Card – Effective from 29/06/12**

Fee
€0

The standard price applies where an Operator's end user premises is served by useable eircom owned duct (useable duct for fibre assumes that there is sufficient space in the duct to draw in a subduct) and is within 500 metres of an available eircom access fibre which can connect to an eircom NGN node.

All pricing is subject to a final engineering survey and does not include any additional civil works which may arise.

The standard price does not include the costs associated with (1) installing any new duct or (2) clearing existing duct (3) new duct/poling and/or fibre build work (4) any civil works which may be necessary to establish a connection between the nearest eircom fibre and an Operator premises.

An Operator is responsible for any costs associated with duct work within their end users own curtilage.

eircom reserves the right to recover any additional costs incurred.

On request, eircom will provide a quote with an indicative price, which will be subject to full site survey. (Note 1)

Note 1: For orders classified as “Non Standard”, eircom may provide a revised quotation at Order Validation (OV) stage.

#### Cancellation Charges

Where the Operator cancels an order within 5 working days of Order Receipt eircom will charge 30% of the connection charges as set out in Table 1 above.

Where the Operator cancels an order after 5 working days of Order Receipt eircom will charge 50% of the connection charges as set out in Table 1 above.

**Table 1 (b) - Wholesale Symmetrical Ethernet Access (Physical) - In Building Handover, Quote Infrastructure Build (QIB) and Provide Infrastructure Build (PIB) – Effective from 11/11/11**

Service	Fee
QIB	€359
PIB up to 50 metres	€1,858
PIB per additional metre above 50m	€7.23

The table above outlines the QIB charge per site and the PIB charge that shall apply for this product. The PIB has a standard charge for a distance of up to 50M. Beyond this distance an additional charge per metre shall apply.

The above pricing applies for standard exchange configurations. Where exceptional circumstances arise, eircom reserve the right to raise additional fees to recover exceptional costs

**Table 2 - Annual Rental - Wholesale Symmetrical Ethernet Access (Physical) – Effective from 16/08/10 to 10/11/11**

Circuit Speed	Urban Rental	Provincial Rental	Rural Rental	
All Speeds	€2,100	€2,162	€3,187	Up to 500m
All Speeds	€154	€166	€324	Per additional 100m or part thereof

**Table 2 - Annual Rental - Wholesale Symmetrical Ethernet Access (Physical) – Effective from 11/11/11**

	Circuit Speed	Urban Rental	Provincial Rental	Rural Rental	
CSH	All Speeds	€2,100	€2,162	€3,187	Up to 500m
CSH	All Speeds	€154	€166	€324	Per additional 100m or part thereof
IBH	All Speeds	€129	€129	€129	

The “Urban, Provincial, Rural” classification is dependent on the NGN node that the Wholesale Symmetrical Ethernet Access is connected to.

The breakdown of the WSEA Physical "Urban, Provincial, Rural" categories & regions are detailed in the WSEA NGN node categorisation document (available via your account manager).

**Table 2(a) - Annual Rental - Wholesale Symmetrical Ethernet Access (Physical) - Node Reach – Effective from 16/08/10 to 30/06/11**

	High to High Density	High to Medium / Medium to High Density	Medium to Medium Density	
All Speeds	€110	€200	€260	Per 100m

**Table 2(a) - Annual Rental - Wholesale Symmetrical Ethernet Access (Physical) - Node Reach – Effective from 01/07/11**

	High to High Density	High to Medium / Medium to High Density	Medium to Medium Density	
All Speeds	€0	€0	€0	Per 100m

Node Reach annual rental is incorporated into WSEA logical rental prices and the per 100 metres inter-exchange distance charge will no longer apply after 1/7/11. Access to NGN Nodes for WSEA services may be facilitated by Node Reach where the local customer serving exchange is parented to an NGN node (that is not co-located with the local serving exchange). The WEIL-WSEA NGN Rollout Plan shows which is the parent NGN node for each local customer serving exchange eligible for node reach.

Any WSEA service initially provided on a Node Reach basis may be migrated to a permanent configuration when the local exchange served is deployed on the eircom NGN. At that point the Operator may nominate an alternative WEIL so as to minimise the resulting WSEA logical charge.

**Table 2(b) - Connection Fee (diversity circuit only) - Wholesale Symmetrical Ethernet Access Physical Diversity - Effective from 29/06/12**

Option	Handover Type	Circuit Speed	Connection Fee
A	CSH	1000 Mb/s	€1,250
B	CSH	1000 Mb/s	€1,250

**Table 2(c) - Annual Rental (diversity circuit only) - Wholesale Symmetrical Ethernet Access Physical Diversity - Effective from 29/06/12**

Option	Handover Type	Circuit Speed	Urban Rental	Provincial Rental	Rural Rental	
A	CSH	1000 Mb/s	€2,100	€2,162	€3,187	Up to 500m
A	CSH	1000 Mb/s	€154	€166	€324	Per additional 100m or part thereof
B	CSH	1000 Mb/s	€2,100	€2,162	€3,187	Up to 500m
B	CSH	1000 Mb/s	€154	€166	€324	Per additional 100m or part thereof

The "Urban, Provincial, Rural" classification is dependent on the NGN node that the Wholesale Symmetrical Ethernet Access is connected to.

The breakdown of the WSEA Physical "Urban, Provincial, Rural" categories & regions are detailed in the WSEA NGN node categorisation document (available via your account manager).

**Table 2(d) - Annual Rental (diversity circuit only) - Wholesale Symmetrical Ethernet Access Physical Diversity (From Local exchange to NGN node) - Effective from 29/06/12**

Option	Handover Type	Circuit Speed	High to High Density	High to Medium / Medium to High Density	Medium to Medium Density	
A	CSH	1000 Mb/s	€110	€200	€260	Per 100m
B	CSH	1000 Mb/s	€110	€200	€260	Per 100m

**Table 2(e) - Survey charges (diversity circuit only) - Wholesale Symmetrical Ethernet Access Physical Diversity (From Local exchange to NGN node) - Effective from 29/06/12**

Option	Handover Type	Survey Type	Survey Fee
All options	CSH	Site Survey	€1,000

Note: The survey fee will be charged to the Operator in the scenario where the Operator places a survey order but decides not to proceed with the diversity provide order. If the Operator proceeds with the diversity order the survey costs will be discounted against the provisioning costs of the diversity circuit.

**Table 3 - Annual Rental - Wholesale Symmetrical Ethernet Access (Logical) – Same NGN node Conveyance – Effective from 16/08/10 to 24/08/12**

<b>Circuit Speed</b>	<b>Same Site High Density</b>	<b>Same site Medium Density</b>
10 Mb/s	€1,138	€1,161
20 Mb/s	€1,169	€1,212
30 Mb/s	€1,209	€1,278
40 Mb/s	€1,293	€1,417
50 Mb/s	€1,359	€1,527
75 Mb/s	€1,431	€1,646
100 Mb/s	€1,514	€1,783
150 Mb/s	€1,673	€2,046
200 Mb/s	€1,768	€2,203
250 Mb/s	€1,873	€2,377
300 Mb/s	€1,978	€2,551
450 Mb/s	€2,294	€3,072
500 Mb/s	€2,399	€3,246
600 Mb/s	€2,716	€3,770
750 Mb/s	€2,992	€4,226
1000 Mb/s	€3,569	€5,181

The breakdown of the WSEA "High Density" and "Medium Density" categories and Regions are detailed in the WSEA NGN node categorisation document (available via your account manager).

**Table 3 - Annual Rental - Wholesale Symmetrical Ethernet Access (Logical) – Same NGN node Conveyance – Effective from 25/08/12**

<b>Circuit Speed</b>	<b>Same Site High Density</b>	<b>Same site Medium Density</b>
10 Mb/s	€1,138	€1,161
20 Mb/s	€1,169	€1,212
30 Mb/s	€1,209	€1,278
40 Mb/s	€1,293	€1,417
50 Mb/s	€1,359	€1,527
75 Mb/s	€1,431	€1,646
100 Mb/s	€1,514	€1,783
150 Mb/s	€1,673	€2,046
200 Mb/s	€1,763	€2,195
250 Mb/s	€1,863	€2,360
300 Mb/s	€1,963	€2,526
450 Mb/s	€2,263	€3,022
500 Mb/s	€2,363	€3,187
600 Mb/s	€2,449	€3,329
750 Mb/s	€2,535	€3,472
1000 Mb/s	€2,720	€3,778

The breakdown of the WSEA "High Density" and "Medium Density" categories and Regions are detailed in the WSEA NGN node categorisation document (available via your account manager).

**Table 4 - Annual Rental - Wholesale Symmetrical Ethernet Access (Logical) – Same Region Handover (High Density) Conveyance – Effective from 16/08/10 to 30/09/11**

Circuit Speed	Circuit Based Class of Service				
	Option 5	Option 4	Option 3	Option 2	Option 1
10 Mb/s	€1,388	€2,056	€2,279	€2,989	€3,808
20 Mb/s	€1,446	€2,186	€2,433	€3,220	€4,127
30 Mb/s	€1,520	€2,353	€2,630	€3,516	€4,536
40 Mb/s	€1,678	€2,706	€3,048	€4,142	€5,402
50 Mb/s	€1,802	€2,984	€3,378	€4,635	€6,084
75 Mb/s	€1,936	€3,285	€3,735	€5,170	€6,824
100 Mb/s	€2,091	€3,633	€4,147	€5,787	€7,677
150 Mb/s	€2,389	€4,301	€4,939	€6,972	€9,316
200 Mb/s	€2,566	€4,698	€5,409	€7,676	
250 Mb/s	€2,763	€5,139	€5,931	€8,458	
300 Mb/s	€2,960	€5,580	€6,454	€9,240	
450 Mb/s	€3,550				
500 Mb/s	€3,746				
600 Mb/s	€4,339				
750 Mb/s	€4,854				
1000 Mb/s	€5,934				

The breakdown of the WSEA "High Density" and "Medium Density" categories and Regions are detailed in the WSEA NGN node categorisation document (available via your account manager).

**Table 4 - Annual Rental - Wholesale Symmetrical Ethernet Access (Logical) – Same Region Handover (High Density) Conveyance – Effective from 01/10/11 to 05/01/12**

Circuit Speed	Circuit Based Class of Service				
	Option 5	Option 4	Option 3	Option 2	Option 1
10 Mb/s	€1,388	€2,056	€2,279	€2,989	€3,808
20 Mb/s	€1,446	€2,186	€2,433	€3,220	€4,127
30 Mb/s	€1,520	€2,353	€2,630	€3,516	€4,536
40 Mb/s	€1,678	€2,706	€3,048	€4,142	€5,402
50 Mb/s	€1,802	€2,984	€3,378	€4,635	€6,084
75 Mb/s	€1,936	€3,285	€3,735	€5,170	€6,824
100 Mb/s	€2,091	€3,633	€4,147	€5,787	€7,677
150 Mb/s	€2,389	€4,301	€4,939	€6,972	€9,316
200 Mb/s	€2,566	€4,698	€5,409	€7,676	€10,289
250 Mb/s	€2,763	€5,139	€5,931	€8,458	€11,370
300 Mb/s	€2,960	€5,580	€6,454	€9,240	€12,453
450 Mb/s	€3,550	€6,903	€8,021	€11,587	
500 Mb/s	€3,746	€7,344	€8,544	€12,370	
600 Mb/s	€4,339	€8,673	€10,117	€14,726	
750 Mb/s	€4,854				
1000 Mb/s	€5,934				

The breakdown of the WSEA "High Density" and "Medium Density" categories and Regions are detailed in the WSEA NGN node categorisation document (available via your account manager).

**Table 4 - Annual Rental - Wholesale Symmetrical Ethernet Access (Logical) – Same Region Handover (High Density) Conveyance - Effective from 06/01/12 to 28/06/12**

Circuit Speed	Circuit Based Class of Service					
	Option 5	Option 4	Option 3	Option 2	Option 1	Option 6
10 Mb/s	€1,388	€2,056	€2,279	€2,989	€3,808	€3,270
20 Mb/s	€1,446	€2,186	€2,433	€3,220	€4,127	€3,531
30 Mb/s	€1,520	€2,353	€2,630	€3,516	€4,536	€3,866
40 Mb/s	€1,678	€2,706	€3,048	€4,142	€5,402	€4,574
50 Mb/s	€1,802	€2,984	€3,378	€4,635	€6,084	€5,132
75 Mb/s	€1,936	€3,285	€3,735	€5,170	€6,824	€5,738
100 Mb/s	€2,091	€3,633	€4,147	€5,787	€7,677	€6,435
150 Mb/s	€2,389	€4,301	€4,939	€6,972	€9,316	€7,776
200 Mb/s	€2,566	€4,698	€5,409	€7,676	€10,289	€8,573
250 Mb/s	€2,763	€5,139	€5,931	€8,458	€11,370	€9,458
300 Mb/s	€2,960	€5,580	€6,454	€9,240	€12,453	€10,343
450 Mb/s	€3,550	€6,903	€8,021	€11,587		€12,998
500 Mb/s	€3,746	€7,344	€8,544	€12,370		€13,884
600 Mb/s	€4,339	€8,673	€10,117	€14,726		€16,550
750 Mb/s	€4,854					
1000 Mb/s	€5,934					

The breakdown of the WSEA "High Density" and "Medium Density" categories and Regions are detailed in the WSEA NGN node categorisation document (available via your account manager).

**Table 4 - Annual Rental - Wholesale Symmetrical Ethernet Access (Logical) – Same Region Handover (High Density) Conveyance - Effective from 29/06/12 to 24/08/12**

Circuit Speed	Circuit Based Class of Service					
	Option 5	Option 4	Option 3	Option 2	Option 1	Option 6
10 Mb/s	€1,388	€2,056	€2,279	€2,989	€3,808	€3,270
20 Mb/s	€1,446	€2,186	€2,433	€3,220	€4,127	€3,531
30 Mb/s	€1,520	€2,353	€2,630	€3,516	€4,536	€3,866
40 Mb/s	€1,678	€2,706	€3,048	€4,142	€5,402	€4,574
50 Mb/s	€1,802	€2,984	€3,378	€4,635	€6,084	€5,132
75 Mb/s	€1,936	€3,285	€3,735	€5,170	€6,824	€5,738
100 Mb/s	€2,091	€3,633	€4,147	€5,787	€7,677	€6,435
150 Mb/s	€2,389	€4,301	€4,939	€6,972	€9,316	€7,776
200 Mb/s	€2,566	€4,698	€5,409	€7,676	€10,289	€8,573
250 Mb/s	€2,763	€5,139	€5,931	€8,458	€11,370	€9,458
300 Mb/s	€2,960	€5,580	€6,454	€9,240	€12,453	€10,343
450 Mb/s	€3,550	€6,903	€8,021	€11,587		€12,998
500 Mb/s	€3,746	€7,344	€8,544	€12,370		€13,884
600 Mb/s	€4,339	€8,673	€10,117	€14,726		€16,550
750 Mb/s	€4,854	€9,829	€11,487	€16,776		€18,870
1000 Mb/s	€5,934	€12,250	€14,355	€21,071		€23,729

The breakdown of the WSEA "High Density" and "Medium Density" categories and Regions are detailed in the WSEA NGN node categorisation document (available via your account manager).

**Table 4 - Annual Rental - Wholesale Symmetrical Ethernet Access (Logical) – Same Region Handover (High Density) Conveyance - Effective from 25/08/12**

Circuit Speed	Circuit Based Class of Service					
	Option 5	Option 4	Option 3	Option 2	Option 1	Option 6
10 Mb/s	€1,388	€2,056	€2,279	€2,989	€3,808	€3,270
20 Mb/s	€1,446	€2,186	€2,433	€3,220	€4,127	€3,531
30 Mb/s	€1,520	€2,353	€2,630	€3,516	€4,536	€3,866
40 Mb/s	€1,678	€2,706	€3,048	€4,142	€5,402	€4,574
50 Mb/s	€1,802	€2,984	€3,378	€4,635	€6,084	€5,132
75 Mb/s	€1,936	€3,285	€3,735	€5,170	€6,824	€5,738
100 Mb/s	€2,091	€3,633	€4,147	€5,787	€7,677	€6,435
150 Mb/s	€2,389	€4,301	€4,939	€6,972	€9,316	€7,776
200 Mb/s	€2,557	€4,678	€5,385	€7,641	€10,241	€8,533
250 Mb/s	€2,744	€5,098	€5,882	€8,384	€11,269	€9,375
300 Mb/s	€2,931	€5,517	€6,379	€9,128	€12,298	€10,216
450 Mb/s	€3,492	€6,774	€7,869	€11,359		€12,740
500 Mb/s	€3,679	€7,194	€8,365	€12,102		€13,581
600 Mb/s	€3,839	€7,553	€8,791	€12,739		€14,302
750 Mb/s	€4,001	€7,916	€9,221	€13,383		€15,030
1000 Mb/s	€4,347	€8,691	€10,140	€14,759		€16,587

The breakdown of the WSEA "High Density" and "Medium Density" categories and Regions are detailed in the WSEA NGN node categorisation document (available via your account manager).

**Table 5 - Annual Rental - Wholesale Symmetrical Ethernet Access (Logical) – Same Region Handover (Medium Density) Conveyance – Effective from 16/08/10 to 30/09/11**

Circuit Speed	Circuit Based Class of Service				
	Option 5	Option 4	Option 3	Option 2	Option 1
10 Mb/s	€2,085	€3,825	€4,404	€6,254	€8,386
20 Mb/s	€2,236	€4,163	€4,805	€6,854	€9,216
30 Mb/s	€2,430	€4,597	€5,320	€7,624	€10,281
40 Mb/s	€2,839	€5,515	€6,407	€9,252	€12,532
50 Mb/s	€3,162	€6,239	€7,265	€10,537	€14,310
75 Mb/s	€3,512	€7,024	€8,195	€11,929	€16,235
100 Mb/s	€3,916	€7,930	€9,268	€13,535	€18,456
150 Mb/s	€4,692	€9,669	€11,328	€16,620	€22,721
200 Mb/s	€5,152	€10,702	€12,552	€18,453	
250 Mb/s	€5,664	€11,850	€13,912	€20,489	
300 Mb/s	€6,176	€12,997	€15,271	€22,525	
450 Mb/s	€7,712				
500 Mb/s	€8,224				
600 Mb/s	€9,767				
750 Mb/s	€11,109				
1000 Mb/s	€13,920				

The breakdown of the WSEA "High Density" and "Medium Density" categories and Regions are detailed in the WSEA NGN node categorisation document (available via your account manager).



**Table 5 - Annual Rental - Wholesale Symmetrical Ethernet Access (Logical) – Same Region Handover (Medium Density) Conveyance – Effective from 01/10/11 to 05/01/12**

Circuit Speed	Circuit Based Class of Service				
	Option 5	Option 4	Option 3	Option 2	Option 1
10 Mb/s	€2,085	€3,825	€4,404	€6,254	€8,386
20 Mb/s	€2,236	€4,163	€4,805	€6,854	€9,216
30 Mb/s	€2,430	€4,597	€5,320	€7,624	€10,281
40 Mb/s	€2,839	€5,515	€6,407	€9,252	€12,532
50 Mb/s	€3,162	€6,239	€7,265	€10,537	€14,310
75 Mb/s	€3,512	€7,024	€8,195	€11,929	€16,235
100 Mb/s	€3,916	€7,930	€9,268	€13,535	€18,456
150 Mb/s	€4,692	€9,669	€11,328	€16,620	€22,721
200 Mb/s	€5,152	€10,702	€12,552	€18,453	€25,256
250 Mb/s	€5,664	€11,850	€13,912	€20,489	€28,072
300 Mb/s	€6,176	€12,997	€15,271	€22,525	€30,887
450 Mb/s	€7,712	€16,441	€19,352	€28,634	
500 Mb/s	€8,224	€17,589	€20,712	€30,670	
600 Mb/s	€9,767	€21,048	€24,809	€36,804	
750 Mb/s	€11,109				
1000 Mb/s	€13,920				

The breakdown of the WSEA "High Density" and "Medium Density" categories and Regions are detailed in the WSEA NGN node categorisation document (available via your account manager).

**Table 5 - Annual Rental - Wholesale Symmetrical Ethernet Access (Logical) – Same Region Handover (Medium Density) Conveyance - Effective from 06/01/12 to 28/06/12**

Circuit Speed	Circuit Based Class of Service					
	Option 5	Option 4	Option 3	Option 2	Option 1	Option 6
10 Mb/s	€2,085	€3,825	€4,404	€6,254	€8,386	€6,986
20 Mb/s	€2,236	€4,163	€4,805	€6,854	€9,216	€7,665
30 Mb/s	€2,430	€4,597	€5,320	€7,624	€10,281	€8,537
40 Mb/s	€2,839	€5,515	€6,407	€9,252	€12,532	€10,378
50 Mb/s	€3,162	€6,239	€7,265	€10,537	€14,310	€11,832
75 Mb/s	€3,512	€7,024	€8,195	€11,929	€16,235	€13,407
100 Mb/s	€3,916	€7,930	€9,268	€13,535	€18,456	€15,225
150 Mb/s	€4,692	€9,669	€11,328	€16,620	€22,721	€18,715
200 Mb/s	€5,152	€10,702	€12,552	€18,453	€25,256	€20,788
250 Mb/s	€5,664	€11,850	€13,912	€20,489	€28,072	€23,092
300 Mb/s	€6,176	€12,997	€15,271	€22,525	€30,887	€25,395
450 Mb/s	€7,712	€16,441	€19,352	€28,634		€32,307
500 Mb/s	€8,224	€17,589	€20,712	€30,670		€34,611
600 Mb/s	€9,767	€21,048	€24,809	€36,804		€41,552
750 Mb/s	€11,109					
1000 Mb/s	€13,920					

The breakdown of the WSEA "High Density" and "Medium Density" categories and Regions are detailed in the WSEA NGN node categorisation document (available via your account manager).

**Table 5 - Annual Rental - Wholesale Symmetrical Ethernet Access (Logical) – Same Region Handover (Medium Density) Conveyance - Effective from 29/06/12 to 24/08/12**

Circuit Speed	Circuit Based Class of Service					
	Option 5	Option 4	Option 3	Option 2	Option 1	Option 6
10 Mb/s	€2,085	€3,825	€4,404	€6,254	€8,386	€6,986
20 Mb/s	€2,236	€4,163	€4,805	€6,854	€9,216	€7,665
30 Mb/s	€2,430	€4,597	€5,320	€7,624	€10,281	€8,537
40 Mb/s	€2,839	€5,515	€6,407	€9,252	€12,532	€10,378
50 Mb/s	€3,162	€6,239	€7,265	€10,537	€14,310	€11,832
75 Mb/s	€3,512	€7,024	€8,195	€11,929	€16,235	€13,407
100 Mb/s	€3,916	€7,930	€9,268	€13,535	€18,456	€15,225
150 Mb/s	€4,692	€9,669	€11,328	€16,620	€22,721	€18,715
200 Mb/s	€5,152	€10,702	€12,552	€18,453	€25,256	€20,788
250 Mb/s	€5,664	€11,850	€13,912	€20,489	€28,072	€23,092
300 Mb/s	€6,176	€12,997	€15,271	€22,525	€30,887	€25,395
450 Mb/s	€7,712	€16,441	€19,352	€28,634		€32,307
500 Mb/s	€8,224	€17,589	€20,712	€30,670		€34,611
600 Mb/s	€9,767	€21,048	€24,809	€36,804		€41,552
750 Mb/s	€11,109	€24,057	€28,374	€42,143		€47,592
1000 Mb/s	€13,920	€30,360	€35,840	€53,322		€60,241

The breakdown of the WSEA "High Density" and "Medium Density" categories and Regions are detailed in the WSEA NGN node categorisation document (available via your account manager).

**Table 5 - Annual Rental - Wholesale Symmetrical Ethernet Access (Logical) – Same Region Handover (Medium Density) Conveyance - Effective from 25/08/12**

Circuit Speed	Circuit Based Class of Service					
	Option 5	Option 4	Option 3	Option 2	Option 1	Option 6
10 Mb/s	€2,085	€3,825	€4,404	€6,254	€8,386	€6,986
20 Mb/s	€2,236	€4,163	€4,805	€6,854	€9,216	€7,665
30 Mb/s	€2,430	€4,597	€5,320	€7,624	€10,281	€8,537
40 Mb/s	€2,839	€5,515	€6,407	€9,252	€12,532	€10,378
50 Mb/s	€3,162	€6,239	€7,265	€10,537	€14,310	€11,832
75 Mb/s	€3,512	€7,024	€8,195	€11,929	€16,235	€13,407
100 Mb/s	€3,916	€7,930	€9,268	€13,535	€18,456	€15,225
150 Mb/s	€4,692	€9,669	€11,328	€16,620	€22,721	€18,715
200 Mb/s	€5,130	€10,651	€12,491	€18,362	€25,130	€20,686
250 Mb/s	€5,616	€11,742	€13,784	€20,297	€27,807	€22,875
300 Mb/s	€6,103	€12,833	€15,076	€22,233	€30,483	€25,065
450 Mb/s	€7,563	€16,106	€18,954	€28,039		€31,634
500 Mb/s	€8,049	€17,197	€20,247	€29,975		€33,825
600 Mb/s	€8,467	€18,133	€21,355	€31,634		€35,702
750 Mb/s	€8,887	€19,076	€22,473	€33,308		€37,596
1000 Mb/s	€9,789	€21,097	€24,867	€36,892		€41,651

The breakdown of the WSEA "High Density" and "Medium Density" categories and Regions are detailed in the WSEA NGN node categorisation document (available via your account manager).

**Table 6 - Annual Rental - Wholesale Symmetrical Ethernet Access (Logical) – Different Regions High Density to High Density Conveyance – Effective from 16/08/10 to 30/09/11**

Circuit Speed	Circuit Based Class of Service				
	Option 5	Option 4	Option 3	Option 2	Option 1
10 Mb/s	€2,145	€3,753	€4,289	€6,000	€7,971
20 Mb/s	€2,284	€4,066	€4,660	€6,554	€8,738
30 Mb/s	€2,464	€4,468	€5,136	€7,268	€9,725
40 Mb/s	€2,842	€5,316	€6,141	€8,773	€11,806
50 Mb/s	€3,141	€5,986	€6,935	€9,961	€13,449
75 Mb/s	€3,465	€6,712	€7,795	€11,249	€15,230
100 Mb/s	€3,838	€7,550	€8,787	€12,734	€17,284
150 Mb/s	€4,555	€9,158	€10,692	€15,586	€21,229
200 Mb/s	€4,981	€10,113	€11,824	€17,281	
250 Mb/s	€5,455	€11,175	€13,082	€19,164	
300 Mb/s	€5,928	€12,236	€14,339	€21,047	
450 Mb/s	€7,349				
500 Mb/s	€7,822				
600 Mb/s	€9,248				
750 Mb/s	€10,490				
1000 Mb/s	€13,089				

The breakdown of the WSEA "High Density" and "Medium Density" categories and Regions are detailed in the WSEA NGN node categorisation document (available via your account manager).

**Table 6 - Annual Rental - Wholesale Symmetrical Ethernet Access (Logical) – Different Regions High Density to High Density Conveyance – Effective from 01/10/11 to 05/01/12**

Circuit Speed	Circuit Based Class of Service				
	Option 5	Option 4	Option 3	Option 2	Option 1
10 Mb/s	€2,145	€3,753	€4,289	€6,000	€7,971
20 Mb/s	€2,284	€4,066	€4,660	€6,554	€8,738
30 Mb/s	€2,464	€4,468	€5,136	€7,268	€9,725
40 Mb/s	€2,842	€5,316	€6,141	€8,773	€11,806
50 Mb/s	€3,141	€5,986	€6,935	€9,961	€13,449
75 Mb/s	€3,465	€6,712	€7,795	€11,249	€15,230
100 Mb/s	€3,838	€7,550	€8,787	€12,734	€17,284
150 Mb/s	€4,555	€9,158	€10,692	€15,586	€21,229
200 Mb/s	€4,981	€10,113	€11,824	€17,281	€23,573
250 Mb/s	€5,455	€11,175	€13,082	€19,164	€26,176
300 Mb/s	€5,928	€12,236	€14,339	€21,047	€28,780
450 Mb/s	€7,349	€15,421	€18,112	€26,696	
500 Mb/s	€7,822	€16,483	€19,370	€28,580	
600 Mb/s	€9,248	€19,681	€23,159	€34,252	
750 Mb/s	€10,490				
1000 Mb/s	€13,089				

The breakdown of the WSEA "High Density" and "Medium Density" categories and Regions are detailed in the WSEA NGN node categorisation document (available via your account manager).

**Table 6 - Annual Rental - Wholesale Symmetrical Ethernet Access (Logical) – Different Regions High Density to High Density Conveyance - Effective from 06/01/12 to 28/06/12**

Circuit Speed	Circuit Based Class of Service					
	Option 5	Option 4	Option 3	Option 2	Option 1	Option 6
10 Mb/s	€2,145	€3,753	€4,289	€6,000	€7,971	€6,677
20 Mb/s	€2,284	€4,066	€4,660	€6,554	€8,738	€7,304
30 Mb/s	€2,464	€4,468	€5,136	€7,268	€9,725	€8,111
40 Mb/s	€2,842	€5,316	€6,141	€8,773	€11,806	€9,814
50 Mb/s	€3,141	€5,986	€6,935	€9,961	€13,449	€11,159
75 Mb/s	€3,465	€6,712	€7,795	€11,249	€15,230	€12,616
100 Mb/s	€3,838	€7,550	€8,787	€12,734	€17,284	€14,296
150 Mb/s	€4,555	€9,158	€10,692	€15,586	€21,229	€17,523
200 Mb/s	€4,981	€10,113	€11,824	€17,281	€23,573	€19,441
250 Mb/s	€5,455	€11,175	€13,082	€19,164	€26,176	€21,572
300 Mb/s	€5,928	€12,236	€14,339	€21,047	€28,780	€23,702
450 Mb/s	€7,349	€15,421	€18,112	€26,696		€30,094
500 Mb/s	€7,822	€16,483	€19,370	€28,580		€32,225
600 Mb/s	€9,248	€19,681	€23,159	€34,252		€38,643
750 Mb/s	€10,490					
1000 Mb/s	€13,089					

The breakdown of the WSEA "High Density" and "Medium Density" categories and Regions are detailed in the WSEA NGN node categorisation document (available via your account manager).

**Table 6 - Annual Rental - Wholesale Symmetrical Ethernet Access (Logical) – Different Regions High Density to High Density Conveyance - Effective from 29/06/12 to 24/08/12**

Circuit Speed	Circuit Based Class of Service					
	Option 5	Option 4	Option 3	Option 2	Option 1	Option 6
10 Mb/s	€2,145	€3,753	€4,289	€6,000	€7,971	€6,677
20 Mb/s	€2,284	€4,066	€4,660	€6,554	€8,738	€7,304
30 Mb/s	€2,464	€4,468	€5,136	€7,268	€9,725	€8,111
40 Mb/s	€2,842	€5,316	€6,141	€8,773	€11,806	€9,814
50 Mb/s	€3,141	€5,986	€6,935	€9,961	€13,449	€11,159
75 Mb/s	€3,465	€6,712	€7,795	€11,249	€15,230	€12,616
100 Mb/s	€3,838	€7,550	€8,787	€12,734	€17,284	€14,296
150 Mb/s	€4,555	€9,158	€10,692	€15,586	€21,229	€17,523
200 Mb/s	€4,981	€10,113	€11,824	€17,281	€23,573	€19,441
250 Mb/s	€5,455	€11,175	€13,082	€19,164	€26,176	€21,572
300 Mb/s	€5,928	€12,236	€14,339	€21,047	€28,780	€23,702
450 Mb/s	€7,349	€15,421	€18,112	€26,696		€30,094
500 Mb/s	€7,822	€16,483	€19,370	€28,580		€32,225
600 Mb/s	€9,248	€19,681	€23,159	€34,252		€38,643
750 Mb/s	€10,490	€22,464	€26,456	€39,189		€44,229
1000 Mb/s	€13,089	€28,293	€33,361	€49,528		€55,926

The breakdown of the WSEA "High Density" and "Medium Density" categories and Regions are detailed in the WSEA NGN node categorisation document (available via your account manager).

**Table 6 - Annual Rental - Wholesale Symmetrical Ethernet Access (Logical) – Different Regions High Density to High Density Conveyance - Effective from 25/08/12**

Circuit Speed	Circuit Based Class of Service					
	Option 5	Option 4	Option 3	Option 2	Option 1	Option 6
10 Mb/s	€2,145	€3,753	€4,289	€6,000	€7,971	€6,677
20 Mb/s	€2,284	€4,066	€4,660	€6,554	€8,738	€7,304
30 Mb/s	€2,464	€4,468	€5,136	€7,268	€9,725	€8,111
40 Mb/s	€2,842	€5,316	€6,141	€8,773	€11,806	€9,814
50 Mb/s	€3,141	€5,986	€6,935	€9,961	€13,449	€11,159
75 Mb/s	€3,465	€6,712	€7,795	€11,249	€15,230	€12,616
100 Mb/s	€3,838	€7,550	€8,787	€12,734	€17,284	€14,296
150 Mb/s	€4,555	€9,158	€10,692	€15,586	€21,229	€17,523
200 Mb/s	€4,960	€10,066	€11,768	€17,197	€23,456	€19,346
250 Mb/s	€5,410	€11,075	€12,963	€18,987	€25,931	€21,371
300 Mb/s	€5,860	€12,084	€14,159	€20,777	€28,407	€23,397
450 Mb/s	€7,210	€15,111	€17,745	€26,147		€29,472
500 Mb/s	€7,660	€16,120	€18,941	€27,936		€31,497
600 Mb/s	€8,046	€16,985	€19,965	€29,471		€33,233
750 Mb/s	€8,436	€17,858	€21,000	€31,019		€34,985
1000 Mb/s	€9,269	€19,727	€23,213	€34,333		€38,735

The breakdown of the WSEA "High Density" and "Medium Density" categories and Regions are detailed in the WSEA NGN node categorisation document (available via your account manager).

**Table 7 - Annual Rental - Wholesale Symmetrical Ethernet Access (Logical) – Different Regions Medium Density to High Density Conveyance – Effective from 16/08/10 to 30/09/11**

Circuit Speed	Circuit Based Class of Service				
	Option 5	Option 4	Option 3	Option 2	Option 1
10 Mb/s	€2,395	€4,520	€5,228	€7,488	€10,092
20 Mb/s	€2,579	€4,933	€5,717	€8,219	€11,104
30 Mb/s	€2,816	€5,464	€6,347	€9,162	€12,408
40 Mb/s	€3,316	€6,585	€7,674	€11,150	€15,157
50 Mb/s	€3,711	€7,470	€8,723	€12,720	€17,328
75 Mb/s	€4,139	€8,429	€9,859	€14,421	€19,680
100 Mb/s	€4,632	€9,535	€11,169	€16,382	€22,392
150 Mb/s	€5,579	€11,659	€13,686	€20,150	€27,603
200 Mb/s	€6,142	€12,921	€15,181	€22,389	
250 Mb/s	€6,767	€14,323	€16,842	€24,876	
300 Mb/s	€7,393	€15,725	€18,503	€27,363	
450 Mb/s	€9,269				
500 Mb/s	€9,894				
600 Mb/s	€11,778				
750 Mb/s	€13,418				
1000 Mb/s	€16,851				

The breakdown of the WSEA "High Density" and "Medium Density" categories and Regions are detailed in the WSEA NGN node categorisation document (available via your account manager).

**Table 7 - Annual Rental - Wholesale Symmetrical Ethernet Access (Logical) – Different Regions Medium Density to High Density Conveyance – Effective from 01/10/11 to 05/01/12**

Circuit Speed	Circuit Based Class of Service				
	Option 5	Option 4	Option 3	Option 2	Option 1
10 Mb/s	€2,395	€4,520	€5,228	€7,488	€10,092
20 Mb/s	€2,579	€4,933	€5,717	€8,219	€11,104
30 Mb/s	€2,816	€5,464	€6,347	€9,162	€12,408
40 Mb/s	€3,316	€6,585	€7,674	€11,150	€15,157
50 Mb/s	€3,711	€7,470	€8,723	€12,720	€17,328
75 Mb/s	€4,139	€8,429	€9,859	€14,421	€19,680
100 Mb/s	€4,632	€9,535	€11,169	€16,382	€22,392
150 Mb/s	€5,579	€11,659	€13,686	€20,150	€27,603
200 Mb/s	€6,142	€12,921	€15,181	€22,389	€30,699
250 Mb/s	€6,767	€14,323	€16,842	€24,876	€34,138
300 Mb/s	€7,393	€15,725	€18,503	€27,363	€37,578
450 Mb/s	€9,269	€19,932	€23,487	€34,825	
500 Mb/s	€9,894	€21,334	€25,148	€37,313	
600 Mb/s	€11,778	€25,559	€30,153	€44,806	
750 Mb/s	€13,418				
1000 Mb/s	€16,851				

The breakdown of the WSEA "High Density" and "Medium Density" categories and Regions are detailed in the WSEA NGN node categorisation document (available via your account manager).

**Table 7 - Annual Rental - Wholesale Symmetrical Ethernet Access (Logical) – Different Regions Medium Density to High Density Conveyance - Effective from 06/01/12 to 28/06/12**

Circuit Speed	Circuit Based Class of Service					
	Option 5	Option 4	Option 3	Option 2	Option 1	Option 6
10 Mb/s	€2,395	€4,520	€5,228	€7,488	€10,092	€8,382
20 Mb/s	€2,579	€4,933	€5,717	€8,219	€11,104	€9,210
30 Mb/s	€2,816	€5,464	€6,347	€9,162	€12,408	€10,276
40 Mb/s	€3,316	€6,585	€7,674	€11,150	€15,157	€12,525
50 Mb/s	€3,711	€7,470	€8,723	€12,720	€17,328	€14,302
75 Mb/s	€4,139	€8,429	€9,859	€14,421	€19,680	€16,226
100 Mb/s	€4,632	€9,535	€11,169	€16,382	€22,392	€18,446
150 Mb/s	€5,579	€11,659	€13,686	€20,150	€27,603	€22,709
200 Mb/s	€6,142	€12,921	€15,181	€22,389	€30,699	€25,242
250 Mb/s	€6,767	€14,323	€16,842	€24,876	€34,138	€28,056
300 Mb/s	€7,393	€15,725	€18,503	€27,363	€37,578	€30,870
450 Mb/s	€9,269	€19,932	€23,487	€34,825		€39,313
500 Mb/s	€9,894	€21,334	€25,148	€37,313		€42,127
600 Mb/s	€11,778	€25,559	€30,153	€44,806		€50,605
750 Mb/s	€13,418					
1000 Mb/s	€16,851					

The breakdown of the WSEA "High Density" and "Medium Density" categories and Regions are detailed in the WSEA NGN node categorisation document (available via your account manager).

**Table 7 - Annual Rental - Wholesale Symmetrical Ethernet Access (Logical) – Different Regions Medium Density to High Density Conveyance - Effective from 29/06/12 to 24/08/12**

Circuit Speed	Circuit Based Class of Service					
	Option 5	Option 4	Option 3	Option 2	Option 1	Option 6
10 Mb/s	€2,395	€4,520	€5,228	€7,488	€10,092	€8,382
20 Mb/s	€2,579	€4,933	€5,717	€8,219	€11,104	€9,210
30 Mb/s	€2,816	€5,464	€6,347	€9,162	€12,408	€10,276
40 Mb/s	€3,316	€6,585	€7,674	€11,150	€15,157	€12,525
50 Mb/s	€3,711	€7,470	€8,723	€12,720	€17,328	€14,302
75 Mb/s	€4,139	€8,429	€9,859	€14,421	€19,680	€16,226
100 Mb/s	€4,632	€9,535	€11,169	€16,382	€22,392	€18,446
150 Mb/s	€5,579	€11,659	€13,686	€20,150	€27,603	€22,709
200 Mb/s	€6,142	€12,921	€15,181	€22,389	€30,699	€25,242
250 Mb/s	€6,767	€14,323	€16,842	€24,876	€34,138	€28,056
300 Mb/s	€7,393	€15,725	€18,503	€27,363	€37,578	€30,870
450 Mb/s	€9,269	€19,932	€23,487	€34,825		€39,313
500 Mb/s	€9,894	€21,334	€25,148	€37,313		€42,127
600 Mb/s	€11,778	€25,559	€30,153	€44,806		€50,605
750 Mb/s	€13,418	€29,235	€34,508	€51,327		€57,984
1000 Mb/s	€16,851	€36,933	€43,628	€64,982		€73,434

The breakdown of the WSEA "High Density" and "Medium Density" categories and Regions are detailed in the WSEA NGN node categorisation document (available via your account manager).

**Table 7 - Annual Rental - Wholesale Symmetrical Ethernet Access (Logical) – Different Regions Medium Density to High Density Conveyance - Effective from 25/08/12**

Circuit Speed	Circuit Based Class of Service					
	Option 5	Option 4	Option 3	Option 2	Option 1	Option 6
10 Mb/s	€2,395	€4,520	€5,228	€7,488	€10,092	€8,382
20 Mb/s	€2,579	€4,933	€5,717	€8,219	€11,104	€9,210
30 Mb/s	€2,816	€5,464	€6,347	€9,162	€12,408	€10,276
40 Mb/s	€3,316	€6,585	€7,674	€11,150	€15,157	€12,525
50 Mb/s	€3,711	€7,470	€8,723	€12,720	€17,328	€14,302
75 Mb/s	€4,139	€8,429	€9,859	€14,421	€19,680	€16,226
100 Mb/s	€4,632	€9,535	€11,169	€16,382	€22,392	€18,446
150 Mb/s	€5,579	€11,659	€13,686	€20,150	€27,603	€22,709
200 Mb/s	€6,114	€12,858	€15,107	€22,278	€30,546	€25,116
250 Mb/s	€6,709	€14,191	€16,686	€24,642	€33,815	€27,791
300 Mb/s	€7,303	€15,524	€18,265	€27,006	€37,084	€30,466
450 Mb/s	€9,086	€19,522	€23,001	€34,098		€38,490
500 Mb/s	€9,681	€20,855	€24,581	€36,463		€41,166
600 Mb/s	€10,190	€21,998	€25,934	€38,490		€43,459
750 Mb/s	€10,705	€23,151	€27,300	€40,535		€45,773
1000 Mb/s	€11,805	€25,619	€30,224	€44,912		€50,726

The breakdown of the WSEA "High Density" and "Medium Density" categories and Regions are detailed in the WSEA NGN node categorisation document (available via your account manager).

**Table 8 - Annual Rental - Wholesale Symmetrical Ethernet Access (Logical) – Different Regions Medium Density to Medium Density Conveyance– Effective from 16/08/10 to 30/09/11**

Circuit Speed	Circuit Based Class of Service				
	Option 5	Option 4	Option 3	Option 2	Option 1
10 Mb/s	€2,811	€5,451	€6,332	€9,140	€12,377
20 Mb/s	€3,040	€5,965	€6,940	€10,051	€13,636
30 Mb/s	€3,334	€6,625	€7,722	€11,221	€15,255
40 Mb/s	€3,955	€8,018	€9,372	€13,692	€18,672
50 Mb/s	€4,446	€9,118	€10,675	€15,643	€21,371
75 Mb/s	€4,977	€10,309	€12,087	€17,757	€24,293
100 Mb/s	€5,591	€11,684	€13,716	€20,196	€27,666
150 Mb/s	€6,768	€14,324	€16,843	€24,878	€34,142
200 Mb/s	€7,468	€15,893	€18,702	€27,661	
250 Mb/s	€8,245	€17,636	€20,767	€30,753	
300 Mb/s	€9,022	€19,379	€22,831	€33,844	
450 Mb/s	€11,354				
500 Mb/s	€12,132				
600 Mb/s	€14,473				
750 Mb/s	€16,511				
1000 Mb/s	€20,779				

The breakdown of the WSEA "High Density" and "Medium Density" categories and Regions are detailed in the WSEA NGN node categorisation document (available via your account manager).

**Table 8 - Annual Rental - Wholesale Symmetrical Ethernet Access (Logical) – Different Regions Medium Density to Medium Density Conveyance– Effective from 01/10/11 to 05/01/12**

Circuit Speed	Circuit Based Class of Service				
	Option 5	Option 4	Option 3	Option 2	Option 1
10 Mb/s	€2,811	€5,451	€6,332	€9,140	€12,377
20 Mb/s	€3,040	€5,965	€6,940	€10,051	€13,636
30 Mb/s	€3,334	€6,625	€7,722	€11,221	€15,255
40 Mb/s	€3,955	€8,018	€9,372	€13,692	€18,672
50 Mb/s	€4,446	€9,118	€10,675	€15,643	€21,371
75 Mb/s	€4,977	€10,309	€12,087	€17,757	€24,293
100 Mb/s	€5,591	€11,684	€13,716	€20,196	€27,666
150 Mb/s	€6,768	€14,324	€16,843	€24,878	€34,142
200 Mb/s	€7,468	€15,893	€18,702	€27,661	€37,989
250 Mb/s	€8,245	€17,636	€20,767	€30,753	€42,265
300 Mb/s	€9,022	€19,379	€22,831	€33,844	€46,540
450 Mb/s	€11,354	€24,607	€29,026	€43,119	
500 Mb/s	€12,132	€26,351	€31,091	€46,210	
600 Mb/s	€14,473	€31,601	€37,311	€55,523	
750 Mb/s	€16,511				
1000 Mb/s	€20,779				

The breakdown of the WSEA "High Density" and "Medium Density" categories and Regions are detailed in the WSEA NGN node categorisation document (available via your account manager).



**Table 8 - Annual Rental - Wholesale Symmetrical Ethernet Access (Logical) – Different Regions Medium Density to Medium Density Conveyance - Effective from 06/01/12 to 28/06/12**

Circuit Speed	Circuit Based Class of Service					
	Option 5	Option 4	Option 3	Option 2	Option 1	Option 6
10 Mb/s	€2,811	€5,451	€6,332	€9,140	€12,377	€10,251
20 Mb/s	€3,040	€5,965	€6,940	€10,051	€13,636	€11,282
30 Mb/s	€3,334	€6,625	€7,722	€11,221	€15,255	€12,606
40 Mb/s	€3,955	€8,018	€9,372	€13,692	€18,672	€15,402
50 Mb/s	€4,446	€9,118	€10,675	€15,643	€21,371	€17,610
75 Mb/s	€4,977	€10,309	€12,087	€17,757	€24,293	€20,001
100 Mb/s	€5,591	€11,684	€13,716	€20,196	€27,666	€22,760
150 Mb/s	€6,768	€14,324	€16,843	€24,878	€34,142	€28,059
200 Mb/s	€7,468	€15,893	€18,702	€27,661	€37,989	€31,207
250 Mb/s	€8,245	€17,636	€20,767	€30,753	€42,265	€34,705
300 Mb/s	€9,022	€19,379	€22,831	€33,844	€46,540	€38,202
450 Mb/s	€11,354	€24,607	€29,026	€43,119		€48,696
500 Mb/s	€12,132	€26,351	€31,091	€46,210		€52,195
600 Mb/s	€14,473	€31,601	€37,311	€55,523		€62,732
750 Mb/s	€16,511					
1000 Mb/s	€20,779					

The breakdown of the WSEA "High Density" and "Medium Density" categories and Regions are detailed in the WSEA NGN node categorisation document (available via your account manager).

**Table 8 - Annual Rental - Wholesale Symmetrical Ethernet Access (Logical) – Different Regions Medium Density to Medium Density Conveyance - Effective from 29/06/12 to 24/08/12**

Circuit Speed	Circuit Based Class of Service					
	Option 5	Option 4	Option 3	Option 2	Option 1	Option 6
10 Mb/s	€2,811	€5,451	€6,332	€9,140	€12,377	€10,251
20 Mb/s	€3,040	€5,965	€6,940	€10,051	€13,636	€11,282
30 Mb/s	€3,334	€6,625	€7,722	€11,221	€15,255	€12,606
40 Mb/s	€3,955	€8,018	€9,372	€13,692	€18,672	€15,402
50 Mb/s	€4,446	€9,118	€10,675	€15,643	€21,371	€17,610
75 Mb/s	€4,977	€10,309	€12,087	€17,757	€24,293	€20,001
100 Mb/s	€5,591	€11,684	€13,716	€20,196	€27,666	€22,760
150 Mb/s	€6,768	€14,324	€16,843	€24,878	€34,142	€28,059
200 Mb/s	€7,468	€15,893	€18,702	€27,661	€37,989	€31,207
250 Mb/s	€8,245	€17,636	€20,767	€30,753	€42,265	€34,705
300 Mb/s	€9,022	€19,379	€22,831	€33,844	€46,540	€38,202
450 Mb/s	€11,354	€24,607	€29,026	€43,119		€48,696
500 Mb/s	€12,132	€26,351	€31,091	€46,210		€52,195
600 Mb/s	€14,473	€31,601	€37,311	€55,523		€62,732
750 Mb/s	€16,511	€36,170	€42,725	€63,629		€71,903
1000 Mb/s	€20,779	€45,739	€54,060	€80,601		€91,106

The breakdown of the WSEA "High Density" and "Medium Density" categories and Regions are detailed in the WSEA NGN node categorisation document (available via your account manager).

**Table 8 - Annual Rental - Wholesale Symmetrical Ethernet Access (Logical) – Different Regions Medium Density to Medium Density Conveyance - Effective from 25/08/12**

Circuit Speed	Circuit Based Class of Service					
	Option 5	Option 4	Option 3	Option 2	Option 1	Option 6
10 Mb/s	€2,811	€5,451	€6,332	€9,140	€12,377	€10,251
20 Mb/s	€3,040	€5,965	€6,940	€10,051	€13,636	€11,282
30 Mb/s	€3,334	€6,625	€7,722	€11,221	€15,255	€12,606
40 Mb/s	€3,955	€8,018	€9,372	€13,692	€18,672	€15,402
50 Mb/s	€4,446	€9,118	€10,675	€15,643	€21,371	€17,610
75 Mb/s	€4,977	€10,309	€12,087	€17,757	€24,293	€20,001
100 Mb/s	€5,591	€11,684	€13,716	€20,196	€27,666	€22,760
150 Mb/s	€6,768	€14,324	€16,843	€24,878	€34,142	€28,059
200 Mb/s	€7,433	€15,815	€18,610	€27,523	€37,799	€31,051
250 Mb/s	€8,172	€17,472	€20,572	€30,462	€41,862	€34,376
300 Mb/s	€8,911	€19,128	€22,535	€33,400	€45,926	€37,700
450 Mb/s	€11,127	€24,098	€28,423	€42,216		€47,675
500 Mb/s	€11,866	€25,755	€30,385	€45,154		€51,000
600 Mb/s	€12,499	€27,175	€32,068	€47,673		€53,850
750 Mb/s	€13,139	€28,608	€33,766	€50,216		€56,726
1000 Mb/s	€14,507	€31,676	€37,400	€55,656		€62,882

The breakdown of the WSEA "High Density" and "Medium Density" categories and Regions are detailed in the WSEA NGN node categorisation document (available via your account manager).

The prices included in this Service Schedule 014 of the eircom Network Price List apply in all instances with the exception of where the WSEA is requested at a bandwidth equal to or greater than 155Mb/s and is required to connect a location in one of the Urban Centres listed in Annex A of Decision No 02/10, as amended by the National Regulator, with a WEIL in a different Urban Centre also listed in the same Annex A. For these exceptions, eircom will commercially quote for the requested product.

**Table 9 – Annual Rental - Wholesale Symmetrical Ethernet Access (Logical), Traffic Based Class of Service**

The formula outlined below, enables Operators to calculate the relevant rental associated with a selected WSEA (logical) bandwidth and class of service option (Table 10) and the associated node/region/density (Tables 12-16 & 21-24).

Please note that the formula is not applicable to table 11 (same NGN Node)

This method has been selected as there are potentially in excess of 5,000 possible price point permutations and combinations.

**Formula:**

$$A + 0.2 \times (1-C-D) \times B + ((C + D)^{0.45}) \times B \times (1 + 0.1 \times C - 0.1 \times D)$$

A and B are selected from the calculation inputs for the required WSEA (logical) bandwidth from the relevant tables (12 through 16 – conveyance by region/density)  
 Where C and D are the EF and AF percentages associated with the WSEA (logical) traffic based class of service options by bandwidth in table 10

Worked Example

Required:

WSEA (logical) 75Mb, Option 20, Same Region Handover, Medium Density Conveyance.

Where:

Option 20	EF	AF	Std	Available for Bandwidth 10Mb to 150Mb
	5%	20%	75%	Yes

C = EF = 5%

D = AF 20%

A and B calculation inputs are contained in Table 13.

B/W	A	B
75Mb	685	14136

Calculation:

$$685 + 0.2 \times (1-5\%-20\%) \times 14136 + ((5\% + 20\%)^{0.45}) \times 14136 \times (1 + 0.1 \times 5\% - 0.1 \times 20\%)$$

**Table 10 - Wholesale Symmetrical Ethernet Access (Logical) Traffic Based CoS Options by Bandwidth – Effective to 30/09/11**

	EF	AF	Std	Available for Bandwidth:									
				10 Mb to 150 Mb	200 Mb	250 Mb	300 Mb	450 Mb	500 Mb	600 Mb	750 Mb	1000 Mb	
Option 1	0%	0%	100%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 2	0%	5%	95%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 3	0%	10%	90%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 4	0%	20%	80%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 5	0%	30%	70%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 6	0%	40%	60%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Option 7	0%	50%	50%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Option 8	0%	60%	40%	Yes	Yes	Yes	Yes	Yes	Yes				
Option 9	0%	70%	30%	Yes	Yes	Yes	Yes						
Option 10	0%	75%	25%	Yes	Yes	Yes	Yes						
Option 11	0%	80%	20%	Yes	Yes	Yes	Yes						
Option 12	0%	90%	10%	Yes	Yes	Yes	Yes						
Option 13	1%	0%	99%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 14	2%	0%	98%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 15	3%	0%	97%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 16	4%	0%	96%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 17	5%	0%	95%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 18	5%	5%	90%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 19	5%	10%	85%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 20	5%	20%	75%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 21	5%	30%	65%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Option 22	5%	40%	55%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Option 23	5%	50%	45%	Yes	Yes	Yes	Yes	Yes	Yes				
Option 24	5%	60%	35%	Yes	Yes	Yes	Yes	Yes					
Option 25	5%	70%	25%	Yes	Yes	Yes	Yes						
Option 26	5%	80%	15%	Yes	Yes	Yes	Yes						
Option 27	5%	90%	5%	Yes	Yes	Yes	Yes						
Option 28	10%	0%	90%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 29	10%	5%	85%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 30	10%	10%	80%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

	EF	AF	Std	Available for Bandwidth:								
				10 Mb to 150 Mb	200 Mb	250 Mb	300 Mb	450 Mb	500 Mb	600 Mb	750 Mb	1000 Mb
Option 31	10%	20%	70%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 32	10%	30%	60%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 33	10%	40%	50%	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Option 34	10%	50%	40%	Yes	Yes	Yes	Yes	Yes	Yes			
Option 35	10%	60%	30%	Yes	Yes	Yes	Yes					
Option 36	10%	70%	20%	Yes	Yes	Yes	Yes					
Option 37	10%	80%	10%	Yes	Yes	Yes	Yes					
Option 38	20%	0%	80%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Option 39	20%	5%	75%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Option 40	20%	10%	70%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Option 41	20%	20%	60%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Option 42	20%	30%	50%	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Option 43	20%	40%	40%	Yes	Yes	Yes	Yes	Yes	Yes			
Option 44	20%	50%	30%	Yes	Yes	Yes	Yes					
Option 45	20%	55%	25%	Yes	Yes	Yes	Yes					
Option 46	20%	60%	20%	Yes	Yes	Yes	Yes					
Option 47	20%	70%	10%	Yes	Yes	Yes	Yes					
Option 48	30%	0%	70%	Yes	Yes	Yes	Yes	Yes	Yes			
Option 49	30%	5%	65%	Yes	Yes	Yes	Yes	Yes	Yes			
Option 50	30%	10%	60%	Yes	Yes	Yes	Yes	Yes	Yes			
Option 51	30%	20%	50%	Yes	Yes	Yes	Yes	Yes	Yes			
Option 52	30%	30%	40%	Yes	Yes	Yes	Yes	Yes	Yes			
Option 53	30%	40%	30%	Yes	Yes	Yes	Yes					
Option 54	30%	50%	20%	Yes	Yes	Yes	Yes					
Option 55	30%	60%	10%	Yes	Yes	Yes	Yes					
Option 56	40%	0%	60%	Yes	Yes	Yes	Yes					
Option 57	40%	5%	55%	Yes	Yes	Yes	Yes					
Option 58	40%	10%	50%	Yes	Yes	Yes	Yes					
Option 59	40%	20%	40%	Yes	Yes	Yes	Yes					
Option 60	40%	30%	30%	Yes	Yes	Yes	Yes					

	EF	AF	Std	Available for Bandwidth:									
				10 Mb to 150 Mb	200 Mb	250 Mb	300 Mb	450 Mb	500 Mb	600 Mb	750 Mb	1000 Mb	
Option 61	40%	40%	20%	Yes	Yes	Yes	Yes						
Option 62	40%	50%	10%	Yes	Yes	Yes	Yes						
Option 63	50%	0%	50%	Yes	Yes	Yes	Yes						
Option 64	50%	5%	45%	Yes	Yes	Yes	Yes						
Option 65	50%	10%	40%	Yes	Yes	Yes	Yes						
Option 66	50%	20%	30%	Yes	Yes	Yes	Yes						
Option 67	50%	25%	25%	Yes	Yes	Yes	Yes						
Option 68	50%	30%	20%	Yes	Yes	Yes	Yes						
Option 69	50%	40%	10%	Yes	Yes	Yes	Yes						
Option 70	55%	0%	45%	Yes	Yes	Yes							
Option 71	60%	0%	40%	Yes	Yes	Yes							
Option 72	60%	5%	35%	Yes	Yes	Yes							
Option 73	60%	10%	30%	Yes	Yes	Yes							
Option 74	60%	20%	20%	Yes	Yes	Yes							
Option 75	60%	30%	10%	Yes	Yes	Yes							
Option 76	70%	0%	30%	Yes	Yes								
Option 77	70%	5%	25%	Yes	Yes								
Option 78	70%	10%	20%	Yes	Yes								
Option 79	70%	20%	10%	Yes	Yes								
Option 80	80%	0%	20%	Yes									
Option 81	80%	5%	15%	Yes									
Option 82	80%	10%	10%	Yes									
Option 83	90%	0%	10%	Yes									
Option 84	90%	5%	5%	Yes									
Option 85	95%	0%	5%	Yes									

**Table 10 - Wholesale Symmetrical Ethernet Access (Logical) Traffic Based CoS Options by Bandwidth – Effective from 01/10/11 to 28/06/12**

	EF	AF	Std	Available for Bandwidth:									
				10 Mb to 150 Mb	200 Mb	250 Mb	300 Mb	450 Mb	500 Mb	600 Mb	750 Mb	1000 Mb	
Option 1	0%	0%	100%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 2	0%	5%	95%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 3	0%	10%	90%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 4	0%	20%	80%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 5	0%	30%	70%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 6	0%	40%	60%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 7	0%	50%	50%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 8	0%	60%	40%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 9	0%	70%	30%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Option 10	0%	75%	25%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Option 11	0%	80%	20%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Option 12	0%	90%	10%	Yes	Yes	Yes	Yes	Yes	Yes	Yes			
Option 13	1%	0%	99%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 14	2%	0%	98%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 15	3%	0%	97%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 16	4%	0%	96%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 17	5%	0%	95%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 18	5%	5%	90%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 19	5%	10%	85%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 20	5%	20%	75%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 21	5%	30%	65%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 22	5%	40%	55%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 23	5%	50%	45%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 24	5%	60%	35%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Option 25	5%	70%	25%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Option 26	5%	80%	15%	Yes	Yes	Yes	Yes	Yes	Yes	Yes			
Option 27	5%	90%	5%	Yes	Yes	Yes	Yes	Yes	Yes	Yes			
Option 28	10%	0%	90%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 29	10%	5%	85%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 30	10%	10%	80%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

	EF	AF	Std	Available for Bandwidth:									
				10 Mb to 150 Mb	200 Mb	250 Mb	300 Mb	450 Mb	500 Mb	600 Mb	750 Mb	1000 Mb	
Option 31	10%	20%	70%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 32	10%	30%	60%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 33	10%	40%	50%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 34	10%	50%	40%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 35	10%	60%	30%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Option 36	10%	70%	20%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Option 37	10%	80%	10%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Option 38	20%	0%	80%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 39	20%	5%	75%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 40	20%	10%	70%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 41	20%	20%	60%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 42	20%	30%	50%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 43	20%	40%	40%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 44	20%	50%	30%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Option 45	20%	55%	25%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Option 46	20%	60%	20%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Option 47	20%	70%	10%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Option 48	30%	0%	70%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 49	30%	5%	65%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 50	30%	10%	60%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 51	30%	20%	50%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 52	30%	30%	40%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 53	30%	40%	30%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Option 54	30%	50%	20%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Option 55	30%	60%	10%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Option 56	40%	0%	60%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Option 57	40%	5%	55%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Option 58	40%	10%	50%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Option 59	40%	20%	40%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Option 60	40%	30%	30%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	



	EF	AF	Std	Available for Bandwidth:								
				10 Mb to 150 Mb	200 Mb	250 Mb	300 Mb	450 Mb	500 Mb	600 Mb	750 Mb	1000 Mb
Option 61	40%	40%	20%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Option 62	40%	50%	10%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Option 63	50%	0%	50%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Option 64	50%	5%	45%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Option 65	50%	10%	40%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Option 66	50%	20%	30%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Option 67	50%	25%	25%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Option 68	50%	30%	20%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Option 69	50%	40%	10%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Option 70	55%	0%	45%	Yes	Yes	Yes	Yes	Yes	Yes			
Option 71	60%	0%	40%	Yes	Yes	Yes	Yes	Yes	Yes			
Option 72	60%	5%	35%	Yes	Yes	Yes	Yes	Yes	Yes			
Option 73	60%	10%	30%	Yes	Yes	Yes	Yes	Yes	Yes			
Option 74	60%	20%	20%	Yes	Yes	Yes	Yes	Yes	Yes			
Option 75	60%	30%	10%	Yes	Yes	Yes	Yes	Yes	Yes			
Option 76	70%	0%	30%	Yes	Yes	Yes	Yes					
Option 77	70%	5%	25%	Yes	Yes	Yes	Yes					
Option 78	70%	10%	20%	Yes	Yes	Yes	Yes					
Option 79	70%	20%	10%	Yes	Yes	Yes	Yes					
Option 80	80%	0%	20%	Yes	Yes	Yes	Yes					
Option 81	80%	5%	15%	Yes	Yes	Yes	Yes					
Option 82	80%	10%	10%	Yes	Yes	Yes	Yes					
Option 83	90%	0%	10%	Yes	Yes	Yes	Yes					
Option 84	90%	5%	5%	Yes	Yes	Yes	Yes					
Option 85	95%	0%	5%	Yes	Yes	Yes	Yes					

**Table 10 - Wholesale Symmetrical Ethernet Access (Logical) Traffic Based CoS Options by Bandwidth – Effective from 29/06/12**

	EF	AF	Std	Available for Bandwidth:									
				10 Mb to 150 Mb	200 Mb	250 Mb	300 Mb	450 Mb	500 Mb	600 Mb	750 Mb	1000 Mb	
Option 1	0%	0%	100%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 2	0%	5%	95%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 3	0%	10%	90%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 4	0%	20%	80%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 5	0%	30%	70%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 6	0%	40%	60%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 7	0%	50%	50%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 8	0%	60%	40%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 9	0%	70%	30%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 10	0%	75%	25%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 11	0%	80%	20%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 12	0%	90%	10%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 13	1%	0%	99%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 14	2%	0%	98%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 15	3%	0%	97%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 16	4%	0%	96%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 17	5%	0%	95%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 18	5%	5%	90%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 19	5%	10%	85%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 20	5%	20%	75%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 21	5%	30%	65%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 22	5%	40%	55%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 23	5%	50%	45%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 24	5%	60%	35%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 25	5%	70%	25%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 26	5%	80%	15%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 27	5%	90%	5%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 28	10%	0%	90%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 29	10%	5%	85%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 30	10%	10%	80%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

	EF	AF	Std	Available for Bandwidth:								
				10 Mb to 150 Mb	200 Mb	250 Mb	300 Mb	450 Mb	500 Mb	600 Mb	750 Mb	1000 Mb
Option 31	10%	20%	70%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 32	10%	30%	60%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 33	10%	40%	50%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 34	10%	50%	40%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 35	10%	60%	30%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	<b>Yes</b>
Option 36	10%	70%	20%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	<b>Yes</b>
Option 37	10%	80%	10%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	<b>Yes</b>	<b>Yes</b>
Option 38	20%	0%	80%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 39	20%	5%	75%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 40	20%	10%	70%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 41	20%	20%	60%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 42	20%	30%	50%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 43	20%	40%	40%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 44	20%	50%	30%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	<b>Yes</b>
Option 45	20%	55%	25%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	<b>Yes</b>
Option 46	20%	60%	20%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	<b>Yes</b>
Option 47	20%	70%	10%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	<b>Yes</b>	<b>Yes</b>
Option 48	30%	0%	70%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 49	30%	5%	65%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 50	30%	10%	60%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 51	30%	20%	50%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 52	30%	30%	40%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 53	30%	40%	30%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	<b>Yes</b>
Option 54	30%	50%	20%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	<b>Yes</b>
Option 55	30%	60%	10%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	<b>Yes</b>	<b>Yes</b>
Option 56	40%	0%	60%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Option 57	40%	5%	55%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Option 58	40%	10%	50%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Option 59	40%	20%	40%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Option 60	40%	30%	30%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	

	EF	AF	Std	Available for Bandwidth:								
				10 Mb to 150 Mb	200 Mb	250 Mb	300 Mb	450 Mb	500 Mb	600 Mb	750 Mb	1000 Mb
Option 61	40%	40%	20%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 62	40%	50%	10%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Option 63	50%	0%	50%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Option 64	50%	5%	45%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Option 65	50%	10%	40%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Option 66	50%	20%	30%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Option 67	50%	25%	25%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Option 68	50%	30%	20%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Option 69	50%	40%	10%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Option 70	55%	0%	45%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Option 71	60%	0%	40%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Option 72	60%	5%	35%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Option 73	60%	10%	30%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Option 74	60%	20%	20%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Option 75	60%	30%	10%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Option 76	70%	0%	30%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Option 77	70%	5%	25%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Option 78	70%	10%	20%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Option 79	70%	20%	10%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Option 80	80%	0%	20%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Option 81	80%	5%	15%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Option 82	80%	10%	10%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Option 83	90%	0%	10%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Option 84	90%	5%	5%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Option 85	95%	0%	5%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	

**Table 11 – Price for Traffic Based CoS Wholesale Symmetrical Ethernet Access (Logical) - Same NGN Node – Effective from 14/09/2010 to 24/08/12**

	Same NGN Node High Density	Same NGN Node Medium Density
B/W		
10 Mb	€1,138	€1,161
20 Mb	€1,169	€1,212
30Mb	€1,209	€1,278
40 Mb	€1,293	€1,417
50 Mb	€1,359	€1,527
75 Mb	€1,431	€1,646
100 Mb	€1,514	€1,783
150 Mb	€1,673	€2,046
200 Mb	€1,768	€2,203
250 Mb	€1,873	€2,377
300 Mb	€1,978	€2,551
450 Mb	€2,294	€3,072
500 Mb	€2,399	€3,246
600 Mb	€2,716	€3,770
750 Mb	€2,992	€4,226
1000 Mb	€3,569	€5,181

**Table 11 – Price for Traffic Based CoS Wholesale Symmetrical Ethernet Access (Logical) - Same NGN Node – Effective from 25/08/12**

	Same NGN Node High Density	Same NGN Node Medium Density
B/W		
10 Mb	€1,138	€1,161
20 Mb	€1,169	€1,212
30Mb	€1,209	€1,278
40 Mb	€1,293	€1,417
50 Mb	€1,359	€1,527
75 Mb	€1,431	€1,646
100 Mb	€1,514	€1,783
150 Mb	€1,673	€2,046
200 Mb	€1,763	€2,195
250 Mb	€1,863	€2,360
300 Mb	€1,963	€2,526
450 Mb	€2,263	€3,022
500 Mb	€2,363	€3,187
600 Mb	€2,449	€3,329
750 Mb	€2,535	€3,472
1000 Mb	€2,720	€3,778

**Table 12 - Calculation Inputs for Traffic Based CoS Wholesale Symmetrical Ethernet Access (Logical) - Same Region Handover (High Density) Conveyance – Effective from 14/09/2010 to 24/08/12**

	A	B
B/W		
10 Mb	€850	€2,689
20 Mb	€850	€2,979
30Mb	€850	€3,351
40 Mb	€850	€4,138
50 Mb	€850	€4,758
75 Mb	€850	€5,431
100 Mb	€850	€6,206
150 Mb	€850	€7,696
200 Mb	€850	€8,581
250 Mb	€850	€9,564
300 Mb	€850	€10,548
450 Mb	€850	€13,498
500 Mb	€850	€14,482
600 Mb	€850	€17,444
750 Mb	€850	€20,022
1000 Mb	€850	€25,421

**Table 12 - Calculation Inputs for Traffic Based CoS Wholesale Symmetrical Ethernet Access (Logical) - Same Region Handover (High Density) Conveyance – Effective from 25/08/12**

	A	B
B/W		
10 Mb	€850	€2,689
20 Mb	€850	€2,979
30Mb	€850	€3,351
40 Mb	€850	€4,138
50 Mb	€850	€4,758
75 Mb	€850	€5,431
100 Mb	€850	€6,206
150 Mb	€850	€7,696
200 Mb	€850	€8,537
250 Mb	€850	€9,472
300 Mb	€850	€10,407
450 Mb	€850	€13,211
500 Mb	€850	€14,146
600 Mb	€850	€14,947
750 Mb	€850	€15,756
1000 Mb	€850	€17,486

**Table 13 - Calculation Inputs for Traffic Based CoS Wholesale Symmetrical Ethernet Access (Logical) - Same Region Handover (Medium Density) Conveyance – Effective from 14/09/2010 to 24/08/12**

	A	B
B/W		
10 Mb	€685	€7,001
20 Mb	€685	€7,755
30Mb	€685	€8,724
40 Mb	€685	€10,770
50 Mb	€685	€12,386
75 Mb	€685	€14,136
100 Mb	€685	€16,155
150 Mb	€685	€20,033
200 Mb	€685	€22,337
250 Mb	€685	€24,897
300 Mb	€685	€27,456
450 Mb	€685	€35,136
500 Mb	€685	€37,696
600 Mb	€685	€45,408
750 Mb	€685	€52,119
1000 Mb	€685	€66,173

**Table 13 - Calculation Inputs for Traffic Based CoS Wholesale Symmetrical Ethernet Access (Logical) - Same Region Handover (Medium Density) Conveyance – Effective from 25/08/12**

	A	B
B/W		
10 Mb	€685	€7,001
20 Mb	€685	€7,755
30Mb	€685	€8,724
40 Mb	€685	€10,770
50 Mb	€685	€12,386
75 Mb	€685	€14,136
100 Mb	€685	€16,155
150 Mb	€685	€20,033
200 Mb	€685	€22,223
250 Mb	€685	€24,656
300 Mb	€685	€27,089
450 Mb	€685	€34,388
500 Mb	€685	€36,822
600 Mb	€685	€38,908
750 Mb	€685	€41,012
1000 Mb	€685	€45,518

**Table 14 - Calculation Inputs for Traffic Based CoS Wholesale Symmetrical Ethernet Access (Logical) - Different Regions High Density to High Density Conveyance – Effective from 14/09/2010 to 24/08/12**

	A	B
B/W		
10 Mb	€850	€6,474
20 Mb	€850	€7,171
30Mb	€850	€8,068
40 Mb	€850	€9,960
50 Mb	€850	€11,454
75 Mb	€850	€13,073
100 Mb	€850	€14,940
150 Mb	€850	€18,526
200 Mb	€850	€20,657
250 Mb	€850	€23,024
300 Mb	€850	€25,391
450 Mb	€850	€32,493
500 Mb	€850	€34,861
600 Mb	€850	€41,992
750 Mb	€850	€48,199
1000 Mb	€850	€61,196

**Table 14 - Calculation Inputs for Traffic Based CoS Wholesale Symmetrical Ethernet Access (Logical) - Different Regions High Density to High Density Conveyance – Effective from 25/08/12**

	A	B
B/W		
10 Mb	€850	€6,474
20 Mb	€850	€7,171
30Mb	€850	€8,068
40 Mb	€850	€9,960
50 Mb	€850	€11,454
75 Mb	€850	€13,073
100 Mb	€850	€14,940
150 Mb	€850	€18,526
200 Mb	€850	€20,551
250 Mb	€850	€22,801
300 Mb	€850	€25,052
450 Mb	€850	€31,802
500 Mb	€850	€34,052
600 Mb	€850	€35,981
750 Mb	€850	€37,928
1000 Mb	€850	€42,094



**Table 15 - Calculation Inputs for Traffic Based CoS Wholesale Symmetrical Ethernet Access (Logical) - Different Regions Medium Density to High Density Conveyance – Effective from 14/09/2010 to 24/08/12**

	A	B
B/W		
10 Mb	€685	€8,552
20 Mb	€685	€9,472
30Mb	€685	€10,657
40 Mb	€685	€13,156
50 Mb	€685	€15,130
75 Mb	€685	€17,268
100 Mb	€685	€19,734
150 Mb	€685	€24,471
200 Mb	€685	€27,285
250 Mb	€685	€30,412
300 Mb	€685	€33,539
450 Mb	€685	€42,920
500 Mb	€685	€46,047
600 Mb	€685	€55,467
750 Mb	€685	€63,665
1000 Mb	€685	€80,832

**Table 15 - Calculation Inputs for Traffic Based CoS Wholesale Symmetrical Ethernet Access (Logical) - Different Regions Medium Density to High Density Conveyance – Effective from 25/08/12**

	A	B
B/W		
10 Mb	€685	€8,552
20 Mb	€685	€9,472
30Mb	€685	€10,657
40 Mb	€685	€13,156
50 Mb	€685	€15,130
75 Mb	€685	€17,268
100 Mb	€685	€19,734
150 Mb	€685	€24,471
200 Mb	€685	€27,146
250 Mb	€685	€30,118
300 Mb	€685	€33,090
450 Mb	€685	€42,006
500 Mb	€685	€44,979
600 Mb	€685	€47,527
750 Mb	€685	€50,098
1000 Mb	€685	€55,601

**Table 16 - Calculation Inputs for Traffic Based CoS Wholesale Symmetrical Ethernet Access (Logical) - Different Regions Medium Density to Medium Density Conveyance – Effective from 14/09/2010 to 24/08/12**

	A	B
B/W		
10 Mb	€685	€10,629
20 Mb	€685	€11,774
30Mb	€685	€13,245
40 Mb	€685	€16,352
50 Mb	€685	€18,805
75 Mb	€685	€21,462
100 Mb	€685	€24,528
150 Mb	€685	€30,415
200 Mb	€685	€33,913
250 Mb	€685	€37,800
300 Mb	€685	€41,686
450 Mb	€685	€53,346
500 Mb	€685	€57,233
600 Mb	€685	€68,941
750 Mb	€685	€79,131
1000 Mb	€685	€100,468

**Table 16 - Calculation Inputs for Traffic Based CoS Wholesale Symmetrical Ethernet Access (Logical) - Different Regions Medium Density to Medium Density Conveyance – Effective from 25/08/12**

	A	B
B/W		
10 Mb	€685	€10,629
20 Mb	€685	€11,774
30Mb	€685	€13,245
40 Mb	€685	€16,352
50 Mb	€685	€18,805
75 Mb	€685	€21,462
100 Mb	€685	€24,528
150 Mb	€685	€30,415
200 Mb	€685	€33,740
250 Mb	€685	€37,434
300 Mb	€685	€41,128
450 Mb	€685	€52,211
500 Mb	€685	€55,905
600 Mb	€685	€59,072
750 Mb	€685	€62,268
1000 Mb	€685	€69,108

The charges associated with WSEA delivered across the WEIL – ENH are set out in tables 17 – 24 below.

**Wholesale Symmetrical Ethernet Access (Logical) Circuit based Class of Service tables associated with WEIL ENH:**

**Table 17 - Annual Rental - Wholesale Symmetrical Ethernet Access (Logical) to Edge Node Handover – Same Region High Density Conveyance– Effective from 01/06/11 to 30/09/11**

Circuit Speed	Circuit Based Class of Service				
	Option 5	Option 4	Option 3	Option 2	Option 1
10 Mb/s	€1,171	€1,569	€1,701	€2,125	€2,613
20 Mb/s	€1,205	€1,646	€1,793	€2,262	€2,803
30 Mb/s	€1,249	€1,746	€1,911	€2,439	€3,047
40 Mb/s	€1,343	€1,956	€2,160	€2,811	€3,562
50 Mb/s	€1,417	€2,122	€2,356	€3,106	€3,969
75 Mb/s	€1,497	€2,301	€2,569	€3,424	€4,410
100 Mb/s	€1,590	€2,509	€2,815	€3,792	€4,918
150 Mb/s	€1,767	€2,907	€3,287	€4,498	€5,895
200 Mb/s	€1,873	€3,143	€3,567	€4,918	
250 Mb/s	€1,990	€3,406	€3,878	€5,384	
300 Mb/s	€2,107	€3,669	€4,189	€5,850	
450 Mb/s	€2,459				
500 Mb/s	€2,576				
600 Mb/s	€2,929				
750 Mb/s	€3,236				
1000 Mb/s	€3,880				

The breakdown of the WSEA "High Density" and "Medium Density" categories and Regions are detailed in the WSEA NGN node categorisation document (available via your account manager).

**Table 17 - Annual Rental - Wholesale Symmetrical Ethernet Access (Logical) to Edge Node Handover – Same Region High Density Conveyance– Effective from 01/10/11 to 05/01/12**

Circuit Speed	Circuit Based Class of Service				
	Option 5	Option 4	Option 3	Option 2	Option 1
10 Mb/s	€1,171	€1,569	€1,701	€2,125	€2,613
20 Mb/s	€1,205	€1,646	€1,793	€2,262	€2,803
30 Mb/s	€1,249	€1,746	€1,911	€2,439	€3,047
40 Mb/s	€1,343	€1,956	€2,160	€2,811	€3,562
50 Mb/s	€1,417	€2,122	€2,356	€3,106	€3,969
75 Mb/s	€1,497	€2,301	€2,569	€3,424	€4,410
100 Mb/s	€1,590	€2,509	€2,815	€3,792	€4,918
150 Mb/s	€1,767	€2,907	€3,287	€4,498	€5,895
200 Mb/s	€1,873	€3,143	€3,567	€4,918	€6,475
250 Mb/s	€1,990	€3,406	€3,878	€5,384	€7,120
300 Mb/s	€2,107	€3,669	€4,189	€5,850	€7,764
450 Mb/s	€2,459	€4,457	€5,123	€7,248	
500 Mb/s	€2,576	€4,720	€5,435	€7,715	
600 Mb/s	€2,929	€5,512	€6,373	€9,119	
750 Mb/s	€3,236				
1000 Mb/s	€3,880				

The breakdown of the WSEA "High Density" and "Medium Density" categories and Regions are detailed in the WSEA NGN node categorisation document (available via your account manager).

**Table 17 - Annual Rental - Wholesale Symmetrical Ethernet Access (Logical) to Edge Node Handover - Same Region High Density Conveyance - Effective from 06/01/12 to 28/06/12**

Circuit Speed	Circuit Based Class of Service					
	Option 5	Option 4	Option 3	Option 2	Option 1	Option 6
10 Mb/s	€1,171	€1,569	€1,701	€2,125	€2,613	€2,292
20 Mb/s	€1,205	€1,646	€1,793	€2,262	€2,803	€2,448
30 Mb/s	€1,249	€1,746	€1,911	€2,439	€3,047	€2,648
40 Mb/s	€1,343	€1,956	€2,160	€2,811	€3,562	€3,069
50 Mb/s	€1,417	€2,122	€2,356	€3,106	€3,969	€3,402
75 Mb/s	€1,497	€2,301	€2,569	€3,424	€4,410	€3,763
100 Mb/s	€1,590	€2,509	€2,815	€3,792	€4,918	€4,179
150 Mb/s	€1,767	€2,907	€3,287	€4,498	€5,895	€4,978
200 Mb/s	€1,873	€3,143	€3,567	€4,918	€6,475	€5,452
250 Mb/s	€1,990	€3,406	€3,878	€5,384	€7,120	€5,980
300 Mb/s	€2,107	€3,669	€4,189	€5,850	€7,764	€6,507
450 Mb/s	€2,459	€4,457	€5,123	€7,248		€8,090
500 Mb/s	€2,576	€4,720	€5,435	€7,715		€8,617
600 Mb/s	€2,929	€5,512	€6,373	€9,119		€10,206
750 Mb/s	€3,236					
1000 Mb/s	€3,880					

The breakdown of the WSEA "High Density" and "Medium Density" categories and Regions are detailed in the WSEA NGN node categorisation document (available via your account manager).

**Table 17 - Annual Rental - Wholesale Symmetrical Ethernet Access (Logical) to Edge Node Handover - Same Region High Density Conveyance - Effective from 29/06/12 to 24/08/12**

Circuit Speed	Circuit Based Class of Service					
	Option 5	Option 4	Option 3	Option 2	Option 1	Option 6
10 Mb/s	€1,171	€1,569	€1,701	€2,125	€2,613	€2,292
20 Mb/s	€1,205	€1,646	€1,793	€2,262	€2,803	€2,448
30 Mb/s	€1,249	€1,746	€1,911	€2,439	€3,047	€2,648
40 Mb/s	€1,343	€1,956	€2,160	€2,811	€3,562	€3,069
50 Mb/s	€1,417	€2,122	€2,356	€3,106	€3,969	€3,402
75 Mb/s	€1,497	€2,301	€2,569	€3,424	€4,410	€3,763
100 Mb/s	€1,590	€2,509	€2,815	€3,792	€4,918	€4,179
150 Mb/s	€1,767	€2,907	€3,287	€4,498	€5,895	€4,978
200 Mb/s	€1,873	€3,143	€3,567	€4,918	€6,475	€5,452
250 Mb/s	€1,990	€3,406	€3,878	€5,384	€7,120	€5,980
300 Mb/s	€2,107	€3,669	€4,189	€5,850	€7,764	€6,507
450 Mb/s	€2,459	€4,457	€5,123	€7,248		€8,090
500 Mb/s	€2,576	€4,720	€5,435	€7,715		€8,617
600 Mb/s	€2,929	€5,512	€6,373	€9,119		€10,206
750 Mb/s	€3,236	€6,201	€7,189	€10,341		€11,589
1000 Mb/s	€3,880	€7,644	€8,898	€12,900		€14,484

The breakdown of the WSEA "High Density" and "Medium Density" categories and Regions are detailed in the WSEA NGN node categorisation document (available via your account manager).

**Table 17 - Annual Rental - Wholesale Symmetrical Ethernet Access (Logical) to Edge Node Handover - Same Region High Density Conveyance - Effective from 25/08/12**

Circuit Speed	Circuit Based Class of Service					
	Option 5	Option 4	Option 3	Option 2	Option 1	Option 6
10 Mb/s	€1,171	€1,569	€1,701	€2,125	€2,613	€2,292
20 Mb/s	€1,205	€1,646	€1,793	€2,262	€2,803	€2,448
30 Mb/s	€1,249	€1,746	€1,911	€2,439	€3,047	€2,648
40 Mb/s	€1,343	€1,956	€2,160	€2,811	€3,562	€3,069
50 Mb/s	€1,417	€2,122	€2,356	€3,106	€3,969	€3,402
75 Mb/s	€1,497	€2,301	€2,569	€3,424	€4,410	€3,763
100 Mb/s	€1,590	€2,509	€2,815	€3,792	€4,918	€4,179
150 Mb/s	€1,767	€2,907	€3,287	€4,498	€5,895	€4,978
200 Mb/s	€1,868	€3,132	€3,553	€4,897	€6,447	€5,429
250 Mb/s	€1,979	€3,381	€3,849	€5,340	€7,060	€5,931
300 Mb/s	€2,090	€3,631	€4,145	€5,783	€7,672	€6,432
450 Mb/s	€2,425	€4,381	€5,033	€7,113		€7,936
500 Mb/s	€2,536	€4,630	€5,329	€7,556		€8,437
600 Mb/s	€2,631	€4,844	€5,582	€7,935		€8,866
750 Mb/s	€2,728	€5,060	€5,838	€8,318		€9,300
1000 Mb/s	€2,934	€5,523	€6,386	€9,139		€10,229

The breakdown of the WSEA "High Density" and "Medium Density" categories and Regions are detailed in the WSEA NGN node categorisation document (available via your account manager).

**Table 18 - Annual Rental - Wholesale Symmetrical Ethernet Access (Logical) to Edge Node Handover – Same Region Medium Density Conveyance– Effective from 01/06/11 to 30/09/11**

Circuit Speed	Circuit Based Class of Service				
	Option 5	Option 4	Option 3	Option 2	Option 1
10 Mb/s	€1,543	€2,610	€2,965	€4,099	€5,406
20 Mb/s	€1,636	€2,817	€3,211	€4,467	€5,915
30 Mb/s	€1,755	€3,083	€3,526	€4,939	€6,568
40 Mb/s	€2,006	€3,646	€4,193	€5,937	€7,948
50 Mb/s	€2,204	€4,090	€4,719	€6,725	€9,038
75 Mb/s	€2,418	€4,571	€5,289	€7,578	€10,218
100 Mb/s	€2,666	€5,126	€5,947	€8,563	€11,580
150 Mb/s	€3,141	€6,192	€7,210	€10,454	€14,194
200 Mb/s	€3,424	€6,826	€7,960	€11,577	
250 Mb/s	€3,738	€7,529	€8,794	€12,826	
300 Mb/s	€4,051	€8,233	€9,627	€14,074	
450 Mb/s	€4,993				
500 Mb/s	€5,307				
600 Mb/s	€6,252				
750 Mb/s	€7,075				
1000 Mb/s	€8,798				

The breakdown of the WSEA "High Density" and "Medium Density" categories and Regions are detailed in the WSEA NGN node categorisation document (available via your account manager).

**Table 18 - Annual Rental - Wholesale Symmetrical Ethernet Access (Logical) to Edge Node Handover – Same Region Medium Density Conveyance– Effective from 01/10/11 to 05/01/12**

Circuit Speed	Circuit Based Class of Service				
	Option 5	Option 4	Option 3	Option 2	Option 1
10 Mb/s	€1,543	€2,610	€2,965	€4,099	€5,406
20 Mb/s	€1,636	€2,817	€3,211	€4,467	€5,915
30 Mb/s	€1,755	€3,083	€3,526	€4,939	€6,568
40 Mb/s	€2,006	€3,646	€4,193	€5,937	€7,948
50 Mb/s	€2,204	€4,090	€4,719	€6,725	€9,038
75 Mb/s	€2,418	€4,571	€5,289	€7,578	€10,218
100 Mb/s	€2,666	€5,126	€5,947	€8,563	€11,580
150 Mb/s	€3,141	€6,192	€7,210	€10,454	€14,194
200 Mb/s	€3,424	€6,826	€7,960	€11,577	€15,748
250 Mb/s	€3,738	€7,529	€8,794	€12,826	€17,474
300 Mb/s	€4,051	€8,233	€9,627	€14,074	€19,200
450 Mb/s	€4,993	€10,344	€12,128	€17,819	
500 Mb/s	€5,307	€11,048	€12,962	€19,067	
600 Mb/s	€6,252	€13,168	€15,474	€22,827	
750 Mb/s	€7,075				
1000 Mb/s	€8,798				

The breakdown of the WSEA "High Density" and "Medium Density" categories and Regions are detailed in the WSEA NGN node categorisation document (available via your account manager).

**Table 18 - Annual Rental - Wholesale Symmetrical Ethernet Access (Logical) to Edge Node Handover - Same Region Medium Density Conveyance - Effective from 06/01/12 to 28/06/12**

Circuit Speed	Circuit Based Class of Service					
	Option 5	Option 4	Option 3	Option 2	Option 1	Option 6
10 Mb/s	€1,543	€2,610	€2,965	€4,099	€5,406	€4,548
20 Mb/s	€1,636	€2,817	€3,211	€4,467	€5,915	€4,964
30 Mb/s	€1,755	€3,083	€3,526	€4,939	€6,568	€5,499
40 Mb/s	€2,006	€3,646	€4,193	€5,937	€7,948	€6,628
50 Mb/s	€2,204	€4,090	€4,719	€6,725	€9,038	€7,519
75 Mb/s	€2,418	€4,571	€5,289	€7,578	€10,218	€8,485
100 Mb/s	€2,666	€5,126	€5,947	€8,563	€11,580	€9,599
150 Mb/s	€3,141	€6,192	€7,210	€10,454	€14,194	€11,738
200 Mb/s	€3,424	€6,826	€7,960	€11,577	€15,748	€13,009
250 Mb/s	€3,738	€7,529	€8,794	€12,826	€17,474	€14,421
300 Mb/s	€4,051	€8,233	€9,627	€14,074	€19,200	€15,834
450 Mb/s	€4,993	€10,344	€12,128	€17,819		€20,071
500 Mb/s	€5,307	€11,048	€12,962	€19,067		€21,483
600 Mb/s	€6,252	€13,168	€15,474	€22,827		€25,738
750 Mb/s	€7,075					
1000 Mb/s	€8,798					

The breakdown of the WSEA "High Density" and "Medium Density" categories and Regions are detailed in the WSEA NGN node categorisation document (available via your account manager).

**Table 18 - Annual Rental - Wholesale Symmetrical Ethernet Access (Logical) to Edge Node Handover - Same Region Medium Density Conveyance - Effective from 29/06/12 to 24/08/12**

Circuit Speed	Circuit Based Class of Service					
	Option 5	Option 4	Option 3	Option 2	Option 1	Option 6
10 Mb/s	€1,543	€2,610	€2,965	€4,099	€5,406	€4,548
20 Mb/s	€1,636	€2,817	€3,211	€4,467	€5,915	€4,964
30 Mb/s	€1,755	€3,083	€3,526	€4,939	€6,568	€5,499
40 Mb/s	€2,006	€3,646	€4,193	€5,937	€7,948	€6,628
50 Mb/s	€2,204	€4,090	€4,719	€6,725	€9,038	€7,519
75 Mb/s	€2,418	€4,571	€5,289	€7,578	€10,218	€8,485
100 Mb/s	€2,666	€5,126	€5,947	€8,563	€11,580	€9,599
150 Mb/s	€3,141	€6,192	€7,210	€10,454	€14,194	€11,738
200 Mb/s	€3,424	€6,826	€7,960	€11,577	€15,748	€13,009
250 Mb/s	€3,738	€7,529	€8,794	€12,826	€17,474	€14,421
300 Mb/s	€4,051	€8,233	€9,627	€14,074	€19,200	€15,834
450 Mb/s	€4,993	€10,344	€12,128	€17,819		€20,071
500 Mb/s	€5,307	€11,048	€12,962	€19,067		€21,483
600 Mb/s	€6,252	€13,168	€15,474	€22,827		€25,738
750 Mb/s	€7,075	€15,013	€17,659	€26,100		€29,441
1000 Mb/s	€8,798	€18,877	€22,236	€32,953		€37,195

The breakdown of the WSEA "High Density" and "Medium Density" categories and Regions are detailed in the WSEA NGN node categorisation document (available via your account manager).

**Table 18 - Annual Rental - Wholesale Symmetrical Ethernet Access (Logical) to Edge Node Handover - Same Region Medium Density Conveyance - Effective from 25/08/12**

Circuit Speed	Circuit Based Class of Service					
	Option 5	Option 4	Option 3	Option 2	Option 1	Option 6
10 Mb/s	€1,543	€2,610	€2,965	€4,099	€5,406	€4,548
20 Mb/s	€1,636	€2,817	€3,211	€4,467	€5,915	€4,964
30 Mb/s	€1,755	€3,083	€3,526	€4,939	€6,568	€5,499
40 Mb/s	€2,006	€3,646	€4,193	€5,937	€7,948	€6,628
50 Mb/s	€2,204	€4,090	€4,719	€6,725	€9,038	€7,519
75 Mb/s	€2,418	€4,571	€5,289	€7,578	€10,218	€8,485
100 Mb/s	€2,666	€5,126	€5,947	€8,563	€11,580	€9,599
150 Mb/s	€3,141	€6,192	€7,210	€10,454	€14,194	€11,738
200 Mb/s	€3,410	€6,794	€7,922	€11,521	€15,670	€12,946
250 Mb/s	€3,708	€7,463	€8,715	€12,708	€17,312	€14,289
300 Mb/s	€4,006	€8,132	€9,507	€13,894	€18,952	€15,630
450 Mb/s	€4,901	€10,139	€11,885	€17,454		€19,658
500 Mb/s	€5,200	€10,808	€12,677	€18,640		€21,001
600 Mb/s	€5,455	€11,381	€13,357	€19,658		€22,152
750 Mb/s	€5,713	€11,960	€14,042	€20,684		€23,313
1000 Mb/s	€6,266	€13,198	€15,509	€22,881		€25,799

The breakdown of the WSEA "High Density" and "Medium Density" categories and Regions are detailed in the WSEA NGN node categorisation document (available via your account manager).

**Table 19 - Annual Rental - Wholesale Symmetrical Ethernet Access (Logical) to Edge Node Handover – Different Regions High Density Conveyance– Effective from 01/06/11 to 30/09/11**

Circuit Speed	Circuit Based Class of Service				
	Option 5	Option 4	Option 3	Option 2	Option 1
10 Mb/s	€1,700	€2,755	€3,107	€4,229	€5,523
20 Mb/s	€1,791	€2,960	€3,350	€4,593	€6,026
30 Mb/s	€1,909	€3,224	€3,662	€5,061	€6,673
40 Mb/s	€2,157	€3,781	€4,322	€6,049	€8,039
50 Mb/s	€2,353	€4,220	€4,843	€6,828	€9,117
75 Mb/s	€2,566	€4,697	€5,407	€7,673	€10,286
100 Mb/s	€2,811	€5,246	€6,058	€8,648	€11,634
150 Mb/s	€3,281	€6,301	€7,308	€10,519	€14,222
200 Mb/s	€3,561	€6,928	€8,051	€11,631	
250 Mb/s	€3,871	€7,625	€8,876	€12,867	
300 Mb/s	€4,182	€8,321	€9,701	€14,103	
450 Mb/s	€5,114				
500 Mb/s	€5,425				
600 Mb/s	€6,361				
750 Mb/s	€7,175				
1000 Mb/s	€8,881				

The breakdown of the WSEA "High Density" and "Medium Density" categories and Regions are detailed in the WSEA NGN node categorisation document (available via your account manager).



**Table 19 - Annual Rental - Wholesale Symmetrical Ethernet Access (Logical) to Edge Node Handover – Different Regions High Density Conveyance– Effective from 01/10/11 to 05/01/12**

Circuit Speed	Circuit Based Class of Service				
	Option 5	Option 4	Option 3	Option 2	Option 1
10 Mb/s	€1,700	€2,755	€3,107	€4,229	€5,523
20 Mb/s	€1,791	€2,960	€3,350	€4,593	€6,026
30 Mb/s	€1,909	€3,224	€3,662	€5,061	€6,673
40 Mb/s	€2,157	€3,781	€4,322	€6,049	€8,039
50 Mb/s	€2,353	€4,220	€4,843	€6,828	€9,117
75 Mb/s	€2,566	€4,697	€5,407	€7,673	€10,286
100 Mb/s	€2,811	€5,246	€6,058	€8,648	€11,634
150 Mb/s	€3,281	€6,301	€7,308	€10,519	€14,222
200 Mb/s	€3,561	€6,928	€8,051	€11,631	€15,759
250 Mb/s	€3,871	€7,625	€8,876	€12,867	€17,468
300 Mb/s	€4,182	€8,321	€9,701	€14,103	€19,177
450 Mb/s	€5,114	€10,411	€12,177	€17,809	
500 Mb/s	€5,425	€11,108	€13,002	€19,045	
600 Mb/s	€6,361	€13,206	€15,488	€22,767	
750 Mb/s	€7,175				
1000 Mb/s	€8,881				

The breakdown of the WSEA "High Density" and "Medium Density" categories and Regions are detailed in the WSEA NGN node categorisation document (available via your account manager).

**Table 19 - Annual Rental - Wholesale Symmetrical Ethernet Access (Logical) to Edge Node Handover - Different Regions High Density Conveyance - Effective from 06/01/12 to 28/06/12**

Circuit Speed	Circuit Based Class of Service					
	Option 5	Option 4	Option 3	Option 2	Option 1	Option 6
10 Mb/s	€1,700	€2,755	€3,107	€4,229	€5,523	€4,673
20 Mb/s	€1,791	€2,960	€3,350	€4,593	€6,026	€5,085
30 Mb/s	€1,909	€3,224	€3,662	€5,061	€6,673	€5,614
40 Mb/s	€2,157	€3,781	€4,322	€6,049	€8,039	€6,732
50 Mb/s	€2,353	€4,220	€4,843	€6,828	€9,117	€7,614
75 Mb/s	€2,566	€4,697	€5,407	€7,673	€10,286	€8,570
100 Mb/s	€2,811	€5,246	€6,058	€8,648	€11,634	€9,673
150 Mb/s	€3,281	€6,301	€7,308	€10,519	€14,222	€11,790
200 Mb/s	€3,561	€6,928	€8,051	€11,631	€15,759	€13,049
250 Mb/s	€3,871	€7,625	€8,876	€12,867	€17,468	€14,447
300 Mb/s	€4,182	€8,321	€9,701	€14,103	€19,177	€15,845
450 Mb/s	€5,114	€10,411	€12,177	€17,809		€20,039
500 Mb/s	€5,425	€11,108	€13,002	€19,045		€21,437
600 Mb/s	€6,361	€13,206	€15,488	€22,767		€25,648
750 Mb/s	€7,175					
1000 Mb/s	€8,881					

The breakdown of the WSEA "High Density" and "Medium Density" categories and Regions are detailed in the WSEA NGN node categorisation document (available via your account manager).

**Table 19 - Annual Rental - Wholesale Symmetrical Ethernet Access (Logical) to Edge Node Handover - Different Regions High Density Conveyance - Effective from 29/06/12 to 24/08/12**

Circuit Speed	Circuit Based Class of Service					
	Option 5	Option 4	Option 3	Option 2	Option 1	Option 6
10 Mb/s	€1,700	€2,755	€3,107	€4,229	€5,523	€4,673
20 Mb/s	€1,791	€2,960	€3,350	€4,593	€6,026	€5,085
30 Mb/s	€1,909	€3,224	€3,662	€5,061	€6,673	€5,614
40 Mb/s	€2,157	€3,781	€4,322	€6,049	€8,039	€6,732
50 Mb/s	€2,353	€4,220	€4,843	€6,828	€9,117	€7,614
75 Mb/s	€2,566	€4,697	€5,407	€7,673	€10,286	€8,570
100 Mb/s	€2,811	€5,246	€6,058	€8,648	€11,634	€9,673
150 Mb/s	€3,281	€6,301	€7,308	€10,519	€14,222	€11,790
200 Mb/s	€3,561	€6,928	€8,051	€11,631	€15,759	€13,049
250 Mb/s	€3,871	€7,625	€8,876	€12,867	€17,468	€14,447
300 Mb/s	€4,182	€8,321	€9,701	€14,103	€19,177	€15,845
450 Mb/s	€5,114	€10,411	€12,177	€17,809		€20,039
500 Mb/s	€5,425	€11,108	€13,002	€19,045		€21,437
600 Mb/s	€6,361	€13,206	€15,488	€22,767		€25,648
750 Mb/s	€7,175	€15,032	€17,652	€26,007		€29,314
1000 Mb/s	€8,881	€18,857	€22,182	€32,790		€36,989

The breakdown of the WSEA "High Density" and "Medium Density" categories and Regions are detailed in the WSEA NGN node categorisation document (available via your account manager).

**Table 19 - Annual Rental - Wholesale Symmetrical Ethernet Access (Logical) to Edge Node Handover - Different Regions High Density Conveyance - Effective from 25/08/12**

Circuit Speed	Circuit Based Class of Service					
	Option 5	Option 4	Option 3	Option 2	Option 1	Option 6
10 Mb/s	€1,700	€2,755	€3,107	€4,229	€5,523	€4,673
20 Mb/s	€1,791	€2,960	€3,350	€4,593	€6,026	€5,085
30 Mb/s	€1,909	€3,224	€3,662	€5,061	€6,673	€5,614
40 Mb/s	€2,157	€3,781	€4,322	€6,049	€8,039	€6,732
50 Mb/s	€2,353	€4,220	€4,843	€6,828	€9,117	€7,614
75 Mb/s	€2,566	€4,697	€5,407	€7,673	€10,286	€8,570
100 Mb/s	€2,811	€5,246	€6,058	€8,648	€11,634	€9,673
150 Mb/s	€3,281	€6,301	€7,308	€10,519	€14,222	€11,790
200 Mb/s	€3,547	€6,897	€8,014	€11,577	€15,684	€12,987
250 Mb/s	€3,842	€7,559	€8,798	€12,751	€17,307	€14,315
300 Mb/s	€4,138	€8,221	€9,583	€13,925	€18,932	€15,644
450 Mb/s	€5,023	€10,208	€11,936	€17,448		€19,630
500 Mb/s	€5,319	€10,869	€12,720	€18,623		€20,959
600 Mb/s	€5,572	€11,437	€13,393	€19,630		€22,098
750 Mb/s	€5,827	€12,010	€14,071	€20,645		€23,247
1000 Mb/s	€6,374	€13,236	€15,524	€22,820		€25,708

The breakdown of the WSEA "High Density" and "Medium Density" categories and Regions are detailed in the WSEA NGN node categorisation document (available via your account manager).

**Table 20 - Annual Rental - Wholesale Symmetrical Ethernet Access (Logical) to Edge Node Handover – Different Regions Medium Density Conveyance– Effective from 01/06/11 to 30/09/11**

Circuit Speed	Circuit Based Class of Service				
	Option 5	Option 4	Option 3	Option 2	Option 1
10 Mb/s	€1,950	€3,522	€4,046	€5,717	€7,643
20 Mb/s	€2,086	€3,827	€4,408	€6,259	€8,393
30 Mb/s	€2,262	€4,220	€4,873	€6,955	€9,356
40 Mb/s	€2,631	€5,049	€5,855	€8,426	€11,390
50 Mb/s	€2,923	€5,704	€6,631	€9,587	€12,996
75 Mb/s	€3,240	€6,413	€7,471	€10,845	€14,735
100 Mb/s	€3,605	€7,231	€8,440	€12,297	€16,742
150 Mb/s	€4,305	€8,802	€10,301	€15,083	€20,596
200 Mb/s	€4,722	€9,736	€11,407	€16,739	
250 Mb/s	€5,184	€10,773	€12,636	€18,579	
300 Mb/s	€5,647	€11,810	€13,865	€20,419	
450 Mb/s	€7,035				
500 Mb/s	€7,497				
600 Mb/s	€8,891				
750 Mb/s	€10,103				
1000 Mb/s	€12,643				

The breakdown of the WSEA "High Density" and "Medium Density" categories and Regions are detailed in the WSEA NGN node categorisation document (available via your account manager).

**Table 20 - Annual Rental - Wholesale Symmetrical Ethernet Access (Logical) to Edge Node Handover – Different Regions Medium Density Conveyance– Effective from 01/10/11 to 05/01/12**

Circuit Speed	Circuit Based Class of Service				
	Option 5	Option 4	Option 3	Option 2	Option 1
10 Mb/s	€1,950	€3,522	€4,046	€5,717	€7,643
20 Mb/s	€2,086	€3,827	€4,408	€6,259	€8,393
30 Mb/s	€2,262	€4,220	€4,873	€6,955	€9,356
40 Mb/s	€2,631	€5,049	€5,855	€8,426	€11,390
50 Mb/s	€2,923	€5,704	€6,631	€9,587	€12,996
75 Mb/s	€3,240	€6,413	€7,471	€10,845	€14,735
100 Mb/s	€3,605	€7,231	€8,440	€12,297	€16,742
150 Mb/s	€4,305	€8,802	€10,301	€15,083	€20,596
200 Mb/s	€4,722	€9,736	€11,407	€16,739	€22,886
250 Mb/s	€5,184	€10,773	€12,636	€18,579	€25,430
300 Mb/s	€5,647	€11,810	€13,865	€20,419	€27,974
450 Mb/s	€7,035	€14,922	€17,551	€25,938	
500 Mb/s	€7,497	€15,959	€18,780	€27,778	
600 Mb/s	€8,891	€19,084	€22,482	€33,321	
750 Mb/s	€10,103				
1000 Mb/s	€12,643				

The breakdown of the WSEA "High Density" and "Medium Density" categories and Regions are detailed in the WSEA NGN node categorisation document (available via your account manager).

**Table 20 - Annual Rental - Wholesale Symmetrical Ethernet Access (Logical) to Edge Node Handover - Different Regions Medium Density Conveyance - Effective from 06/01/12 to 28/06/12**

Circuit Speed	Circuit Based Class of Service					
	Option 5	Option 4	Option 3	Option 2	Option 1	Option 6
10 Mb/s	€1,950	€3,522	€4,046	€5,717	€7,643	€6,378
20 Mb/s	€2,086	€3,827	€4,408	€6,259	€8,393	€6,991
30 Mb/s	€2,262	€4,220	€4,873	€6,955	€9,356	€7,780
40 Mb/s	€2,631	€5,049	€5,855	€8,426	€11,390	€9,444
50 Mb/s	€2,923	€5,704	€6,631	€9,587	€12,996	€10,757
75 Mb/s	€3,240	€6,413	€7,471	€10,845	€14,735	€12,181
100 Mb/s	€3,605	€7,231	€8,440	€12,297	€16,742	€13,823
150 Mb/s	€4,305	€8,802	€10,301	€15,083	€20,596	€16,976
200 Mb/s	€4,722	€9,736	€11,407	€16,739	€22,886	€18,849
250 Mb/s	€5,184	€10,773	€12,636	€18,579	€25,430	€20,931
300 Mb/s	€5,647	€11,810	€13,865	€20,419	€27,974	€23,013
450 Mb/s	€7,035	€14,922	€17,551	€25,938		€29,258
500 Mb/s	€7,497	€15,959	€18,780	€27,778		€31,339
600 Mb/s	€8,891	€19,084	€22,482	€33,321		€37,610
750 Mb/s	€10,103					
1000 Mb/s	€12,643					

The breakdown of the WSEA "High Density" and "Medium Density" categories and Regions are detailed in the WSEA NGN node categorisation document (available via your account manager).

**Table 20 - Annual Rental - Wholesale Symmetrical Ethernet Access (Logical) to Edge Node Handover - Different Regions Medium Density Conveyance - Effective from 29/06/12 to 24/08/12**

Circuit Speed	Circuit Based Class of Service					
	Option 5	Option 4	Option 3	Option 2	Option 1	Option 6
10 Mb/s	€1,950	€3,522	€4,046	€5,717	€7,643	€6,378
20 Mb/s	€2,086	€3,827	€4,408	€6,259	€8,393	€6,991
30 Mb/s	€2,262	€4,220	€4,873	€6,955	€9,356	€7,780
40 Mb/s	€2,631	€5,049	€5,855	€8,426	€11,390	€9,444
50 Mb/s	€2,923	€5,704	€6,631	€9,587	€12,996	€10,757
75 Mb/s	€3,240	€6,413	€7,471	€10,845	€14,735	€12,181
100 Mb/s	€3,605	€7,231	€8,440	€12,297	€16,742	€13,823
150 Mb/s	€4,305	€8,802	€10,301	€15,083	€20,596	€16,976
200 Mb/s	€4,722	€9,736	€11,407	€16,739	€22,886	€18,849
250 Mb/s	€5,184	€10,773	€12,636	€18,579	€25,430	€20,931
300 Mb/s	€5,647	€11,810	€13,865	€20,419	€27,974	€23,013
450 Mb/s	€7,035	€14,922	€17,551	€25,938		€29,258
500 Mb/s	€7,497	€15,959	€18,780	€27,778		€31,339
600 Mb/s	€8,891	€19,084	€22,482	€33,321		€37,610
750 Mb/s	€10,103	€21,803	€25,704	€38,144		€43,068
1000 Mb/s	€12,643	€27,497	€32,450	€48,245		€54,496

The breakdown of the WSEA "High Density" and "Medium Density" categories and Regions are detailed in the WSEA NGN node categorisation document (available via your account manager).

**Table 20 - Annual Rental - Wholesale Symmetrical Ethernet Access (Logical) to Edge Node Handover - Different Regions Medium Density Conveyance - Effective from 25/08/12**

<b>Circuit Speed</b>	<b>Circuit Based Class of Service</b>					
	<b>Option 5</b>	<b>Option 4</b>	<b>Option 3</b>	<b>Option 2</b>	<b>Option 1</b>	<b>Option 6</b>
10 Mb/s	€1,950	€3,522	€4,046	€5,717	€7,643	€6,378
20 Mb/s	€2,086	€3,827	€4,408	€6,259	€8,393	€6,991
30 Mb/s	€2,262	€4,220	€4,873	€6,955	€9,356	€7,780
40 Mb/s	€2,631	€5,049	€5,855	€8,426	€11,390	€9,444
50 Mb/s	€2,923	€5,704	€6,631	€9,587	€12,996	€10,757
75 Mb/s	€3,240	€6,413	€7,471	€10,845	€14,735	€12,181
100 Mb/s	€3,605	€7,231	€8,440	€12,297	€16,742	€13,823
150 Mb/s	€4,305	€8,802	€10,301	€15,083	€20,596	€16,976
200 Mb/s	€4,701	€9,689	€11,352	€16,657	€22,772	€18,756
250 Mb/s	€5,141	€10,675	€12,521	€18,406	€25,191	€20,735
300 Mb/s	€5,580	€11,661	€13,688	€20,154	€27,609	€22,713
450 Mb/s	€6,899	€14,618	€17,192	€25,400		€28,649
500 Mb/s	€7,339	€15,605	€18,360	€27,149		€30,628
600 Mb/s	€7,716	€16,450	€19,362	€28,649		€32,325
750 Mb/s	€8,096	€17,302	€20,372	€30,161		€34,035
1000 Mb/s	€8,910	€19,128	€22,534	€33,399		€37,699

The breakdown of the WSEA "High Density" and "Medium Density" categories and Regions are detailed in the WSEA NGN node categorisation document (available via your account manager).

**Wholesale Symmetrical Ethernet Access (Logical) Traffic based Class of Service tables associated with WEIL ENH:**

**Table 21 - Calculation Inputs for Traffic Based CoS Wholesale Symmetrical Ethernet Access (Logical) to Edge Node Handover- Same Region High Density Conveyance – Effective from 01/06/2011 to 24/08/12**

	A	B
B/W		
10 Mb	€850	€1,603
20 Mb	€850	€1,775
30Mb	€850	€1,997
40 Mb	€850	€2,466
50 Mb	€850	€2,836
75 Mb	€850	€3,236
100 Mb	€850	€3,699
150 Mb	€850	€4,586
200 Mb	€850	€5,114
250 Mb	€850	€5,700
300 Mb	€850	€6,286
450 Mb	€850	€8,044
500 Mb	€850	€8,630
600 Mb	€850	€10,395
750 Mb	€850	€11,932
1000 Mb	€850	€15,149

**Table 21 - Calculation Inputs for Traffic Based CoS Wholesale Symmetrical Ethernet Access (Logical) to Edge Node Handover- Same Region High Density Conveyance – Effective from 25/08/12**

	A	B
B/W		
10 Mb	€850	€1,603
20 Mb	€850	€1,775
30Mb	€850	€1,997
40 Mb	€850	€2,466
50 Mb	€850	€2,836
75 Mb	€850	€3,236
100 Mb	€850	€3,699
150 Mb	€850	€4,586
200 Mb	€850	€5,088
250 Mb	€850	€5,645
300 Mb	€850	€6,202
450 Mb	€850	€7,873
500 Mb	€850	€8,430
600 Mb	€850	€8,907
750 Mb	€850	€9,389
1000 Mb	€850	€10,421

**Table 22 - Calculation Inputs for Traffic Based CoS Wholesale Symmetrical Ethernet Access (Logical) to Edge Node Handover - Same Region Medium Density Conveyance – Effective from 01/06/2011 to 24/08/12**

	A	B
B/W		
10 Mb	€685	€4,292
20 Mb	€685	€4,754
30Mb	€685	€5,348
40 Mb	€685	€6,603
50 Mb	€685	€7,593
75 Mb	€685	€8,666
100 Mb	€685	€9,904
150 Mb	€685	€12,281
200 Mb	€685	€13,693
250 Mb	€685	€15,263
300 Mb	€685	€16,832
450 Mb	€685	€21,540
500 Mb	€685	€23,109
600 Mb	€685	€27,837
750 Mb	€685	€31,951
1000 Mb	€685	€40,566

**Table 22 - Calculation Inputs for Traffic Based CoS Wholesale Symmetrical Ethernet Access (Logical) to Edge Node Handover - Same Region Medium Density Conveyance – Effective from 25/08/12**

	A	B
B/W		
10 Mb	€685	€4,292
20 Mb	€685	€4,754
30Mb	€685	€5,348
40 Mb	€685	€6,603
50 Mb	€685	€7,593
75 Mb	€685	€8,666
100 Mb	€685	€9,904
150 Mb	€685	€12,281
200 Mb	€685	€13,623
250 Mb	€685	€15,115
300 Mb	€685	€16,606
450 Mb	€685	€21,081
500 Mb	€685	€22,573
600 Mb	€685	€23,852
750 Mb	€685	€25,142
1000 Mb	€685	€27,904

**Table 23 - Calculation Inputs for Traffic Based CoS Wholesale Symmetrical Ethernet Access (Logical) to Edge Node Handover - Different Regions High Density Conveyance – Effective from 01/06/2011 to 24/08/12**

	A	B
B/W		
10 Mb	€850	€4,248
20 Mb	€850	€4,706
30Mb	€850	€5,294
40 Mb	€850	€6,536
50 Mb	€850	€7,516
75 Mb	€850	€8,578
100 Mb	€850	€9,803
150 Mb	€850	€12,156
200 Mb	€850	€13,554
250 Mb	€850	€15,107
300 Mb	€850	€16,661
450 Mb	€850	€21,321
500 Mb	€850	€22,874
600 Mb	€850	€27,554
750 Mb	€850	€31,626
1000 Mb	€850	€40,154

**Table 23 - Calculation Inputs for Traffic Based CoS Wholesale Symmetrical Ethernet Access (Logical) to Edge Node Handover - Different Regions High Density Conveyance – Effective from 25/08/12**

	A	B
B/W		
10 Mb	€850	€4,248
20 Mb	€850	€4,706
30Mb	€850	€5,294
40 Mb	€850	€6,536
50 Mb	€850	€7,516
75 Mb	€850	€8,578
100 Mb	€850	€9,803
150 Mb	€850	€12,156
200 Mb	€850	€13,485
250 Mb	€850	€14,961
300 Mb	€850	€16,438
450 Mb	€850	€20,867
500 Mb	€850	€22,343
600 Mb	€850	€23,609
750 Mb	€850	€24,887
1000 Mb	€850	€27,620



**Table 24 - Calculation Inputs for Traffic Based CoS Wholesale Symmetrical Ethernet Access (Logical) to Edge Node Handover - Different Regions Medium Density Conveyance – Effective from 01/06/2011 to 24/08/12**

	A	B
B/W		
10 Mb	€685	€6,326
20 Mb	€685	€7,007
30Mb	€685	€7,883
40 Mb	€685	€9,732
50 Mb	€685	€11,192
75 Mb	€685	€12,773
100 Mb	€685	€14,598
150 Mb	€685	€18,101
200 Mb	€685	€20,183
250 Mb	€685	€22,496
300 Mb	€685	€24,809
450 Mb	€685	€31,748
500 Mb	€685	€34,061
600 Mb	€685	€41,028
750 Mb	€685	€47,092
1000 Mb	€685	€59,790

**Table 24 - Calculation Inputs for Traffic Based CoS Wholesale Symmetrical Ethernet Access (Logical) to Edge Node Handover - Different Regions Medium Density Conveyance – Effective from 25/08/12**

	A	B
B/W		
10 Mb	€685	€6,326
20 Mb	€685	€7,007
30Mb	€685	€7,883
40 Mb	€685	€9,732
50 Mb	€685	€11,192
75 Mb	€685	€12,773
100 Mb	€685	€14,598
150 Mb	€685	€18,101
200 Mb	€685	€20,079
250 Mb	€685	€22,278
300 Mb	€685	€24,476
450 Mb	€685	€31,071
500 Mb	€685	€33,270
600 Mb	€685	€35,155
750 Mb	€685	€37,057
1000 Mb	€685	€41,127

## **Use of the eircom quotation tool**

In order to meet industry concerns, eircom confirms that Operators can rely on WSEA Logical rental charges provided by the eircom quotation tool where all relevant information has been correctly entered. The only exceptions to this assurance are:

- Where eircom provides revised WSEA Logical rental charges during the Order Validation process. This will arise if the presence of existing access fibre from an adjacent eircom exchange requires that the service to the particular locations is delivered from that exchange rather than the normal serving eircom exchange.
- During periods where eircom has advised Operators that required changes to the quotation tool have not yet been implemented. During such periods, WSEA Logical rental charges can be confirmed with the relevant account manager.

## Service Schedule 015

### Wholesale LLU Backhaul

**Table 1 - Connection Fee - Wholesale LLU Backhaul – Effective from 02/12/11**

	<b>Circuit Speed</b>	<b>Connection Fee</b>
CSH	1000 Mb/s	€2,447
IBH	1000 Mb/s	€1,197
CSH	10 Gbps	€2,447
IBH	10 Gbps	€1,197

For LLU Backhaul circuits with Customer-Sited Handover the standard price applies where an Operator's end user premises is served by useable eircom owned duct (useable duct for fibre assumes that there is sufficient space in the duct to draw in a subduct) and is within 500 metres of an available eircom access fibre which can connect to an eircom node.

The standard price does not include the costs associated with (1) installing any new duct or (2) clearing existing duct (3) new duct/poling and/or fibre build work (4) any civil works which may be necessary to establish a connection between the nearest eircom fibre and an Operator premises.

An Operator is responsible for any costs associated with duct work within their end users own curtilage.

LLU Backhaul connectivity to an Operator's end users premises located beyond 4km (Note 1) of the eircom node will be assessed on a case by case basis. eircom reserves the right to recover any additional costs incurred.

LLU Backhaul connectivity from the Operator's local exchange and the nearest unbundled exchange site located beyond 25km will be priced on a bespoke basis.

**Table 1 (a) - Wholesale LLU Backhaul - Quote Infrastructure Build (QIB) and Provide Infrastructure Build (PIB) - Effective from 02/12/11**

<b>Service</b>	<b>Fee</b>
QIB	€359
PIB up to 50 metres	€1,858
PIB per additional metre above 50m	€7.23

The table above outlines the QIB charge per site and the PIB charge that shall apply for this product. The PIB has a standard charge for a distance of up to 50M. Beyond this distance an additional charge per metre shall apply.

The above pricing applies for standard exchange configurations. Where exceptional circumstances arise, eircom reserve the right to raise additional fees to recover exceptional costs.

In the event that there is a combined survey completed for co-location and LLU backhaul the QIB charges listed above shall not apply.

**Table 2 - Annual Rental - Wholesale LLU Backhaul - Effective from 02/12/11 to 24/08/12**

	<b>Circuit Speed</b>	<b>Annual Rental</b>	
CSH	1000 Mb/s	€22,361	Up to 500m
CSH	1000 Mb/s	€154	Per additional 100m or part thereof
IBH	1000 Mb/s	€17,594	
CSH	10 Gbps	€51,635	Up to 500m
CSH	10Gbps	€154	Per additional 100m or part thereof
IBH	10 Gbps	€47,347	

**Table 2 - Annual Rental - Wholesale LLU Backhaul - Effective from 25/08/12**

	<b>Circuit Speed</b>	<b>Annual Rental</b>	
CSH	1000 Mb/s	€17,081	Up to 500m
CSH	1000 Mb/s	€154	Per additional 100m or part thereof
IBH	1000 Mb/s	€12,314	
CSH	10 Gbps	€21,839	Up to 500m
CSH	10 Gbps	€154	Per additional 100m or part thereof
IBH	10 Gbps	€17,551	