

PARAGRAPH 7 SCHEDULE – MODIFICATION REQUIRED

7. SCHEDULE 7 –WHOLESALE SERVICES

SCHEDULE 7A – WHOLESALE LOCAL LEASED CIRCUITS (FULL CIRCUITS) SERVICE

7.1 General

7.1.1 The Requesting Licensee shall be liable to pay and shall pay SingTel the relevant Charges for the Wholesale Local Leased Circuits (Full Circuits) Service as provided in Schedule 7A for point-to-point (**PTP**) circuits and/or point-to-multipoint (**PTMP**) circuits.

7.1.2 Application Charge

The Requesting Licensee shall pay to SingTel the Application Charge for processing each Wholesale Local Leased Circuits (Full Circuits) Service Activation Request. The Application Charge shall be waived if the Service requested in the application (after having received SingTel’s in-principle approval) is provisioned. However, the Application Charge shall be applied if the Wholesale Local Leased Circuits (Full Circuit) Service Activation Request is not approved by SingTel or prematurely cancelled or terminated by the Requesting Licensee.

7.1.3 Installation Charge

The Requesting Licensee shall pay to SingTel a one-time Installation Charge for provisioning each Wholesale Local Leased Circuits (Full Circuits) Service Activation Request.

7.1.4 Full Local Leased Circuit (Point-to-Point)

The Requesting Licensee shall pay to SingTel the recurring license charge for each Full Local Leased Circuit (Point-to-Point) circuit provisioned.

7.1.5 Full Local Leased Circuit (Point-to-Multipoint)

The Requesting Licensee shall pay to SingTel the recurring license charge for each Full Local Leased Circuit (Point-to-Multipoint) circuit provisioned.

DESCRIPTION	CHARGES (S\$)	CHARGES (S\$)
<p><i>MODIFICATION REQUIRED</i></p> <p>Application Charge</p> <p>For 64Kbps and 128Kbps bandwidth - Per activation request per circuit</p> <p>For bandwidths other than 64Kbps and 128Kbps - Per activation request per circuit</p> <p><i>Please refer to IDA’s annotations to clauses 2, 3 and 4 generally of Appendix 2 of this Direction. Requesting Licensees must be allowed to submit a single application form to request for activation of multiple circuits terminating at the same site. In such a case, SingTel may only levy a single charge for processing the request, but may levy a separate charge for each circuit the Requesting Licensee requests activation. SingTel must modify the Application Charge in the manner as specified.</i></p> <p>Per deactivation request per circuit</p> <p><i>IDA notes that SingTel’s retail LLCs offering does not impose any charge for deactivation. As a general principle, IDA will not permit SingTel to adopt any provision in its mandated wholesale offering of LLCs that is more onerous or worse off as compared to SingTel’s retail LLCs offering. Accordingly, SingTel must remove all charges for carrying out deactivation. Further, IDA’s policy position is that, in relation to any deactivation of service under SingTel’s RIO, each party must bear its own cost in carrying out</i></p>		

DESCRIPTION	CHARGES (S\$)	CHARGES (S\$)
<i>the deactivation.</i>		
Full Local Leased Circuit (Point-to-Point) - per PTP circuit per month 64 Kbps 128 Kbps 192 Kbps 256 Kbps 384 Kbps 512 Kbps 768 Kbps 1024 Kbps 1536 Kbps 1984 Kbps 2 Mbps 45 Mbps 155 Mbps	Monthly Recurring Charges	One-Time Installation Charges
<i>MODIFICATION REQUIRED</i> Full Local Leased Circuit (Point-to- Multipoint) – per PTMP circuit per month Trunk Circuit 1984 Kbps Tail Circuit 64 Kbps	Monthly Recurring Charges	One-Time Installation Charges

DESCRIPTION	CHARGES (S\$)	CHARGES (S\$)
<p>128 Kbps 192 Kbps 256 Kbps 384 Kbps 512 Kbps 768 Kbps 1024 Kbps 1536 Kbps 1984 Kbps</p> <p><i>IDA notes that under SingTel’s retail LLCs offering, grooming charges are set out separately from circuit charges. As the charges for mandated wholesale LLCs are based on a “retail minus” of the corresponding charges for retail LLCs, SingTel must also separately specify grooming and circuit charges for mandated wholesale LLCs.</i></p>		
<p>Generic Components (for 64Kbps and 128Kbps)</p> <p>Sale</p> <p>Network Terminating Equipment Network Terminating Equipment Installation</p> <p>Lease</p> <p>Network Terminating Equipment Lease</p>	<p>Monthly Recurring</p>	<p>One-Time Charge</p>

SCHEDULE 7B – WHOLESALE LOCAL LEASED CIRCUITS (TAIL CIRCUITS) SERVICE

7.2 General

7.2.1 The Requesting Licensee shall be liable to pay and shall pay SingTel the relevant Charges for the Wholesale Local Leased Circuits (Tail Circuits) Service as provided in Schedule 7B.

7.2.2 Application Charge

The Requesting Licensee shall pay to SingTel the Application Charge for processing each Wholesale Local Leased Circuits (Tail Circuits) Service Activation Request. The Application Charge shall be waived if the Service requested in the application (after having received SingTel’s in-principle approval) is provisioned. However, the Application Charge shall be applied if the Wholesale Local Leased Circuits (Tail Circuit) Service Activation Request is not approved by SingTel or pre-maturely cancelled or terminated by the Requesting Licensee.

7.2.3 Installation Charge

The Requesting Licensee shall pay to SingTel a one-time Installation Charge for provisioning each Wholesale Local Leased Circuits (Tail Circuits) Service Activation Request.

7.2.4 Tail Local Leased Circuit

The Requesting Licensee shall pay to SingTel the recurring license charge for each Tail Local Leased Circuit provisioned.

DESCRIPTION	CHARGES (S\$)	CHARGES (S\$)
<i>MODIFICATION REQUIRED</i>		
Application Charge		

DESCRIPTION	CHARGES (S\$)	CHARGES (S\$)
<p>For 64Kbps and 128Kbps bandwidth - Per request per circuit</p> <p>For bandwidths other than 64Kbps and 128Kbps - Per request per circuit</p> <p><i>Please refer to IDA’s annotations to clauses 2, 3 and 4 generally of Appendix 2 of this Direction. Requesting Licensees must be allowed to submit a single application form to request for activation of multiple circuits terminating at the same site. In such a case, SingTel may only levy a single charge for processing the request, but may levy a separate charge for each circuit the Requesting Licensee requests activation. SingTel must modify the Application Charge in the manner as specified.</i></p> <p>Per deactivation request per circuit</p> <p><i>IDA notes that SingTel’s retail LLCs offering does not impose any charge for deactivation. As a general principle, IDA will not permit SingTel to adopt any provision in its mandated wholesale offering of LLCs that is more onerous or worse off as compared to SingTel’s retail LLCs offering. Accordingly, SingTel must remove all charges for carrying out deactivation. Further, IDA’s policy position is that, in relation to any deactivation of service under SingTel’s RIO, each party must bear its own cost in carrying out the deactivation.</i></p>		

DESCRIPTION	CHARGES (S\$)	CHARGES (S\$)
<i>MODIFICATION REQUIRED</i>		
<p>Tail Local Leased Circuit - per Tail Local Leased Circuit per month</p> <p>64 Kbps 128 Kbps 192 Kbps 256 Kbps 384 Kbps 512 Kbps 768 Kbps 1024 Kbps 1536 Kbps 1984 Kbps 2 Mbps 45 Mbps 155 Mbps</p>	<p>Monthly Recurring Charges</p>	<p>One-Time Installation Charges</p>
<p><i>Unlike SingTel’s retail DigiPlus offering where installation charges comprise both trunk and tail circuits, the TLLC Service in relation to circuits up to 1984 Kbps requires installation only for the tail but not the trunk circuits. IDA notes that the “One Time Installation Charges” are derived from SingTel’s DigiPlus offering. However, given that SingTel is not installing the trunk circuits, SingTel is effectively performing only half of the installation work that it must perform under the DigiPlus offering. Therefore,</i></p>		

DESCRIPTION	CHARGES (S\$)	CHARGES (S\$)
<p><i>SingTel's installation charges for TLLC circuits up to 1984 Kbps should reflect only the work done for installing the tail circuits. Accordingly, SingTel must modify the "One Time Installation Charges" by reducing the stated charges of circuits up to 1984 Kbps by 50%.</i></p>		
<p>Generic Components (for 64Kbps and 128Kbps)</p> <p>Sale</p> <p>Network Terminating Equipment</p> <p>Network Terminating Equipment Installation</p> <p>Lease</p> <p>Network Terminating Equipment Lease</p>	<p>Monthly Recurring</p>	<p>One-Time Charge</p>

7.3 Other Charges

The Requesting Licensee shall compensate SingTel for the cost incurred in responding to a fault that is not caused by SingTel based on the Call Out Rates as provided below:

- a. The Call Out Rate applicable shall be based on per visit charge.
- b. Per visit charge is __ per man per hour, for a minimum of 2 hours. Subsequent ¼ hour blocks are charged at __ per man, basis.
- c. The above charges are applicable only for call out jobs during weekdays (ie Mondays to Fridays) and during office hours only.
- d. Different charges (based on “Visitation charge x Factor”) will be applied during other periods and/or times – see table below.

Period	Time	FACTOR
Monday to Friday	8.30am to 6.00pm	1.0
Saturday	8.30am to 1.00pm	
Monday to Friday	After 6.00pm	1.5
Saturday	After 1.00pm	
Sundays and Public Holidays	Throughout	2.0

8. SCHEDULE 8 – CO-LOCATION

TABLE 1 - COMMON CHARGES FOR CO-LOCATION AT:

POI/POA/SATELLITE EARTH STATION/SUBMARINE CABLE LANDING STATION/TLLC

DESCRIPTION	CHARGES (\$\$)
<p>Ordering And Provisioning</p> <p>Application Fee (Per Co-location Site)</p> <p>Project Study (Per Co-location Site)</p>	
<p>Site Preparation & Installation</p> <p>Site Preparation Work –for M&E works etc</p> <p>Fire Safety Bureau Charges</p>	
<p>Building & Construction Authority Charges</p> <p>Construction of Connection Duct – 1 metre of 110mm diameter Connection Duct</p> <p>Installation of Optical Fibre</p> <p>Provision, installation and termination of Transmission Tie Cables, Power and Earth comms cables</p>	
<p>Provision, installation and termination of Tie Cables for TLLC Service (n x 64 kbps, 2 Mbps, 45Mbps and 155Mbps)</p>	
<p>Usage / License Charges</p> <p>Co-location Space (minimum of 1 square metre to maximum of 10 square metre) per square metre per year</p> <p>Power (minimum of 13 fused amp for AC and minimum of 20 fused amp for DC) per fused amp per year</p>	

DESCRIPTION	CHARGES (\$)
Lead-in Ducts (per duct metre per year)	
<p>Manpower Cost</p> <ul style="list-style-type: none"> - Supervision of work during installation - Site Inspection - Final Inspection - Escort Service for Physical Access 	
<p>Recovery</p> <p>Recovery of Equipment, Cable Trays, M&E works (where applicable) upon termination of Co-location.</p>	