

ANNEXURE 3

IDA Directed Amendments for Schedule 9

SCHEDULE 4C – IRS TAIL CIRCUIT SERVICE

4.5 General

CLAUSE 4.5.1 – APPROVED

4.5.1 The Requesting Licensee shall be liable to pay and shall pay SingTel the relevant Charges for the IRS Tail Circuit Service as provided in Schedule 4C.

IDA's 8 March 2006 Direction: Please refer to paragraphs 12 to 16 of the Explanatory Memorandum to this Direction. Accordingly, IDA directs SingTel to delete the references to “point-to-point”, “point-to-multipoint”, “PTP” and “PTMP” in Clause 4.5.1.

SingTel Comments: Noted and amended.

CLAUSE 4.5.2 – APPROVED

4.5.2 Application Charge

The Requesting Licensee shall pay to SingTel the Application Charge for processing each Tail Circuit Activation Request (TCAR) or Tail Circuit Deactivation Request (TCDR). The Application Charge shall consist of a Per Order Charge for processing the request and a Per Circuit Charge for the circuit requested. For the avoidance of doubt, the Application Charge will still be applied if the TCAR or TCDR is not approved by SingTel or is prematurely cancelled or terminated by the Requesting Licensee. Where a single TCAR or TCDR is submitted in respect of multiple circuits, all terminating at the same End User's site, the Requesting Licensee shall pay a Per Order Charge for processing the request and a Per Circuit Charge for each of the circuits requested.

IDA's 8 March 2006 Direction: Please refer to paragraphs 12 to 16 of the Explanatory Memorandum to this Direction. Accordingly, IDA directs SingTel to delete the reference to “A-end” in Clause 4.5.2.

SingTel Comments: Noted and amended.

CLAUSE 4.5.3 – DIRECTED AMENDMENTS

4.5.3 Installation Charge

The Requesting Licensee shall pay to SingTel a one-time Installation Charge for provisioning each Tail Circuit.

For express provisioning, the Requesting Licensee shall pay to SingTel an amount equivalent to twice the one-time Installation Charge for provisioning each TCAR.

IDA's 8 March 2006 Direction: IDA notes a typographical error – the reference to “TCAR” should be to “Tail Circuits” instead.

SingTel Comments: Noted and amended.

Please refer to IDA's Decision on Reconsideration on the issue of express provisioning. IDA notes that SingTel previously submitted to IDA in its proposed Schedule 4C dated 12 December 2005 that the applicable Charge for express provisioning should be 2 times that of normal provisioning. Accordingly, IDA directs SingTel to modify Clause 4.5.3 to restore the above in the manner as specified.

CLAUSE 4.5.4 – DIRECTED AMENDMENTS

4.5.4 ~~Termination~~Deactivation Charge

The Requesting Licensee shall pay to SingTel a one-time ~~Termination~~Deactivation Charge for ~~deactivating-terminating~~ each Tail Circuit.

IDA's 8 March 2006 Direction: Please refer to paragraphs 12 to 16 of the Explanatory Memorandum to this Direction. Accordingly, IDA directs SingTel to delete the reference to “Link”.

SingTel Comments: Noted and amended.

IDA directs SingTel to amend Clause 4.5.4 as above such that the terms used are consistent with the terms used in Schedule 4C.

CLAUSE 4.5.5 – APPROVED

4.5.5 Project Study Charge

The Requesting Licensee shall pay to SingTel the Project Study Charge, as well as the Application Charge, if it cancels its request for IRS Tail Circuit Service after commencement but prior to the completion of the Project Study. For the avoidance of doubt, if a Requesting Licensee cancels its request for IRS Tail Circuit Service prior to the commencement of the Project Study, then the Requesting Licensee will only be responsible for the Application Charge.

IDA's 8 March 2006 Direction: Please refer to IDA's annotations to Clause 3.5 of Schedule 4C. Accordingly, IDA directs SingTel to modify Clause 4.5.5 to provide that in the situation where SingTel has not yet embarked on the Project Study, it may only recover the Application Charge from the Requesting Licensee. Alternatively, SingTel may delete Clause 4.5.5 in its entirety as the scenario in Clause 4.5.5 has already been addressed in Clause 3.5 of Schedule 4C.

Additionally, IDA notes a typographical error – the word “The” in the first line of Clause 4.5.5 should read as “The” instead.

SingTel Comments: Noted and amended.

CLAUSE 4.5.6 – APPROVED

4.5.6 Recurring Charge

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

IDA's 8 March 2006 Direction: Please refer to paragraphs 12 to 16 of the Explanatory Memorandum to this Direction. Accordingly, IDA directs SingTel to delete the reference to “Point-to-Point” in the heading of Clause 4.5.6.

SingTel Comments: Noted and amended.

FORMER CLAUSE 4.5.7 – DELETION APPROVED

4.5.7 Recurring Charge – Tail Circuit (Point-to-Multipoint)

~~The Requesting Licensee shall pay to SingTel the recurring license Charge for each Tail Circuit (Point-to-Multipoint) provisioned.~~

IDA's 8 March 2006 Direction: Please refer to paragraphs 12 to 16 of the Explanatory Memorandum to this Direction. Accordingly, IDA directs SingTel to delete Clause 4.5.7 in its entirety, as Clause 4.5.6 already specifies that Requesting Licensees would pay a recurring license Charge for each Tail Circuit provisioned.

SingTel Comments: Noted and amended.

CLAUSE 4.5.7 – APPROVED

4.5.7 Relocation Charge

The Requesting Licensee shall pay to SingTel a one-time Relocation Charge as follows:

For internal relocation (any relocation within the same building), the Internal Relocation Charge would be applicable.

For external relocation (any relocation out of the building), the External Relocation Charge would be applicable.

CLAUSE 4.5.8 – APPROVED

4.5.8 Change of Interface Standard Charge

The Requesting Licensee shall pay to SingTel a Change of Interface Standard Charge for each request for an IRS Tail Circuit Service to be provisioned with a new Interface Standard.

SingTel Comments: Consequential amendment; refer to Clause 5.4(a) of Schedule 4C.

CLAUSE 4.5.9 – APPROVED

4.5.9 Tie-Cable Change Charge

The Requesting Licensee shall pay to SingTel a Tie-Cable Change Charge for each request for an IRS Tail Circuit Service to be provisioned with a new Tie-Cable.

CLAUSE 4.5.10 – APPROVED

4.5.10 No-Fault-Found Charge

The Requesting Licensee shall pay to SingTel a No-Fault-Found Charge for each fault report which SingTel determines to be not due to SingTel.

IDA's 8 March 2006 Direction: As currently drafted, Clause 4.5.10 confers on SingTel the sole discretion to determine whether a fault is due to SingTel, thereby placing Requesting Licensees at a serious technical and cost disadvantage. Accordingly, unless SingTel can propose a mechanism by which the faults reported may be objectively evaluated, SingTel must delete Clause 4.5.10 in its entirety.

SingTel Comments: Refer to SingTel's reconsideration request. As SingTel has requested the IDA to reconsider the removal of the No-Fault-Found Charge, SingTel has not made amendment to the clause.

In SingTel's reconsideration request, SingTel noted the reasons why it is appropriate that the Requesting Licensee pay to SingTel a No-Fault-Found Charge for each fault report which SingTel determines to be not due to SingTel, including that:

- the practices suggested by SingTel have already been established under the MWS provision of TLLCs and SingTel sees no valid reason why they should not be maintained in these circumstances;*
- as the IDA can appreciate, SingTel expends considerable resources to maintain its network as well as to respond to faults – SingTel would be concerned if the Requesting Licensee requires SingTel to maintain the same standard of service for the IRS Tail Circuit Services as under its retail provision of the service, which include service level agreements for maintenance, whilst not being able to recover its costs for a No-Fault-Found scenario; and*

- *further, in the event that the Requesting Licensee was not responsible for No-Fault-Found Charge, this leaves open the possibility that Requesting Licensees may take advantage of SingTel’s fault reporting service, and ultimately this could result in the diversion of resources such that genuine faults are not attended to as promptly as they otherwise would be, thereby lowering the overall quality of the Tail Circuits as well as retail LLCs.*

FORMER CLAUSE 4.5.11 – DIRECTED AMENDMENTS

~~4.5.11 One-time System Set-up Charge~~

~~The Requesting Licensee shall pay to SingTel a One Time System Set-up Charge when it acquires the IRS Tail Circuit Service Schedule 4C.~~

IDA's 8 March 2006 Direction: IDA notes that SingTel has not provided any justifications as to why it should be permitted to impose a One Time System Set-up Charge. Accordingly, unless SingTel can justify the imposition of the purported charge, SingTel must delete Clause 4.5.11 in its entirety.

SingTel Comments: Refer to SingTel’s reconsideration request. As SingTel has requested the IDA to reconsider the removal of the One Time System Set-up Charge, SingTel has not made amendment to the clause.

In particular, SingTel noted in its reconsideration request that:

- *the IDA’s basis for rejecting the imposition of the One Time System Set-up Charge was that the pricing methodology for mandated wholesale LLCs is ‘retail-minus’;*
- *subject to the outcome of SingTel’s appeal to the Minister dated 22 December 2005 in relation to the cost methodology for Local Leased Circuits (Tail Circuits) as an IRS, the cost methodology for the IRS Tail Circuit Service is cost-based, as stipulated by sub-section 6.3.4 of the Code;*
- *the cost of developing and modifying SingTel’s ordering and billing system (including the creation of new job queues and work flows which are unique to the IRS Tail Circuit Service as well as new billing components for the One-Time and Recurring Charges which are also unique to the IRS Tail Circuit Service) for the provision of the IRS Tail Circuit*

Service is additional, and would not be incurred if not for the IDA's decision dated 16 December 2003 designating SingTel's LLCs as an IRS; and

- without the development and modification of SingTel's ordering and billing system, SingTel will be unable to comply with the IDA's decision dated 16 December 2003 to provide the IRS Tail Circuit Service with effect from 15 April 2006.*

Please refer to IDA's Decision on Reconsideration on this issue. Accordingly, IDA directs SingTel to delete former Clause 4.5.11 in its entirety.

CLAUSE 4.5.11 – APPROVED

4.5.11 Migration Charge

The Requesting Licensee shall pay to SingTel a Migration Charge for each TLLC that the Requesting Licensee requests to be migrated to the IRS Tail Circuit Service (**IRS Tail Circuit Service Migration Request**), regardless of whether the IRS Tail Circuit Service Migration Request is successful or not.

SingTel Comments: Consequential amendment; refer to Clause 15.3(c) of Schedule 4C.

PROPOSED CLAUSE 4.5.12 – DIRECTED AMENDMENTS

~~**4.5.12 Express Provisioning Charge**~~

~~For express provisioning of each TCAR, the Requesting Licensee shall pay to SingTel an Express Provisioning Charge for each TCAR.~~

SingTel Comments: Consequential amendment; refer to Clause 4A.1 of Schedule 4C on express provisioning.

Please refer to IDA's annotations to Clause 4.5.3 above. Accordingly, IDA directs SingTel to delete proposed Clause 4.5.12 in its entirety.

TABLE OF CHARGES – DIRECTED AMENDMENTS

IDA's 8 March 2006 Direction: Please refer to paragraphs 12 to 16 of the Explanatory Memorandum to this Direction. Accordingly, IDA directs SingTel to delete the references to "Point-to-Point", "Point-to-Multipoint", "PTP", "PTMP", "A-end" and "B-end".

SingTel Comments: Noted and amended.

Please refer to IDA's Decision on Reconsideration on the issue of SingTel's proposed One-Time System Set-up Charge and IDA's annotations to former Clause 4.5.11 above. As a consequential modification, IDA directs SingTel to delete the items under "One-Time System Set-up Charge" from the following Table of Charges in the manner as specified therein.

Additionally, please refer to IDA's annotations to Clauses 4.5.3 and proposed Clause 4.5.12 above. As a consequential modification, IDA directs SingTel to delete the items under "Express Provisioning Charge" from the following Table of Charges in the manner as specified therein.

Finally, as SingTel is aware, IDA is unable to complete its audit of the following One-Time charges: Deactivation Charges, Internal and External Relocation Charge, Change of Interface Standards Charge and Migration Charge. In its audit process, IDA is concerned to ensure that these relevant charges are accurately and correctly determined, so that neither SingTel is under-compensated for its costs incurred nor Requesting Licensees over-charged. Once IDA completes its audit of these specific charges, IDA will approve these charges to take retrospective effect from 15 April 2006. For the avoidance of doubt, Requesting Licensees may still proceed to request for internal and external relocation, change of interface standards or migration, pending IDA's approval of the relevant charges – however, the Requesting Licensee remains liable to pay the relevant charges at the rates to be approved subsequently by IDA.

DESCRIPTION	CHARGES (\$)	CHARGES (\$)
Application Charge		
Per Order Charge		
Per order		<u>\$110.93</u>
Per Circuit Charge		
For bandwidths between 64 kbps and 1984 kbps bandwidth – Per <u>circuit link</u>		<u>\$31.71</u>

DESCRIPTION	CHARGES (S\$)	CHARGES (S\$)
<u>For bandwidths between 64 kbps and 1536 kbps bandwidth – Per circuit, applicable where the circuit is groomed to an existing physical handover circuit</u>		<u>\$15.86</u>
For bandwidths between 2 Mbps and 155 Mbps – Per circuit		<u>\$23.78</u>
<u>Project Study Charge (not applicable where the application is cancelled prior to the commencement of the Project Study))</u>		
<u>For bandwidths between 64 kbps and 128 kbps – Per order</u>		<u>\$79.25</u>
<u>For bandwidths between 192 kbps and 1024 kbps – Per order</u>		<u>\$333.07</u>
<u>For bandwidths between 1536 kbps and 1984 kbps – Per order</u>		<u>\$533.27</u>
<u>For 2 Mbps bandwidth – Per order</u>		<u>\$521.65</u>
<u>For bandwidths between 45 Mbps and 155 Mbps – Per order</u>		<u>\$537.36</u>
Tail Circuit – per Circuit <u>(Without Grooming) per month</u>	<u>Monthly Recurring Charges</u>	<u>One-Time Installation Charges</u>
	<u>One-Time Installation Charges</u>	<u>One-Time Deactivation Charges</u>
64 kbps	<u>\$1,016.82</u>	
128 kbps	<u>\$1,016.82</u>	
192 kbps	<u>\$1,419.48</u>	<u>To be</u>
256 kbps	<u>\$1,419.48</u>	<u>determined</u>
384 kbps	<u>\$1,419.48</u>	<u>and approved</u>
512 kbps	<u>\$1,419.48</u>	<u>by IDA</u>
768 kbps	<u>\$1,419.48</u>	
1024 kbps	<u>\$1,419.48</u>	
1536 kbps	<u>\$1,639.74</u>	

DESCRIPTION	CHARGES (S\$)	CHARGES (S\$)
1984 kbps	<u>\$1,639.74</u>	
2 Mbps	<u>\$1,339.48</u>	
45 Mbps	<u>\$1,968.35</u>	
155 Mbps	<u>\$1,968.35</u>	
<u>Tail Circuit – per Circuit (With Grooming)</u>	<u>One-Time Installation Charges</u>	<u>One-Time Deactivation Charges</u>
<u>64 kbps</u>	<u>\$760.36</u>	
<u>128 kbps</u>	<u>\$760.36</u>	
<u>192 kbps</u>	<u>\$1,143.62</u>	
<u>256 kbps</u>	<u>\$1,143.62</u>	<u>To be</u>
<u>384 kbps</u>	<u>\$1,143.62</u>	<u>determined</u>
<u>512 kbps</u>	<u>\$1,143.62</u>	<u>and approved</u>
<u>768 kbps</u>	<u>\$1,143.62</u>	<u>by IDA</u>
<u>1024 kbps</u>	<u>\$1,143.62</u>	
<u>1536 kbps</u>	<u>\$1,358.53</u>	
<u>Per Physical Handover Circuit (1984 kbps)</u>	<u>\$338.48</u>	
<u>Grooming Charge (per Tail Circuit to be groomed to the Physical Handover Circuit)</u>	<u>\$29.86</u>	
<u>Tail Circuit – per Circuit (without Grooming)</u>	<u>Recurring Charges per circuit per year</u>	
	<u>One-Time Termination Charges</u>	
	<u>CBD</u>	<u>Non-CBD</u>
64 kbps	<u>\$1,475</u>	<u>\$1,548</u>
128 kbps	<u>\$1,586</u>	<u>\$1,688</u>
192 kbps	<u>\$1,799</u>	<u>\$1,925</u>
256 kbps	<u>\$1,819</u>	<u>\$1,977</u>
384 kbps	<u>\$3,144</u>	<u>\$3,361</u>
512 kbps	<u>\$3,131</u>	<u>\$3,409</u>

DESCRIPTION	CHARGES (S\$)	CHARGES (S\$)
768 kbps	<u>\$3,773</u>	<u>\$4,171</u>
1024 kbps	<u>\$3,994</u>	<u>\$4,516</u>
1536 kbps	<u>\$1,922</u>	<u>\$2,683</u>
1984 kbps	<u>\$2,103</u>	<u>\$3,076</u>
2 Mbps	<u>\$1,325</u>	<u>\$2,297</u>
45 Mbps	<u>\$10,718</u>	<u>\$15,647</u>
155 Mbps	<u>\$23,886</u>	<u>\$31,267</u>
<u>Tail Circuit – Per Circuit (with Grooming)</u>	<u>Monthly Recurring Charges per circuit per year</u>	
	<u>CBD</u>	<u>Non-CBD</u>
<u>64 kbps</u>	<u>\$1,003</u>	<u>\$1,062</u>
<u>128 kbps</u>	<u>\$1,114</u>	<u>\$1,202</u>
<u>192 kbps</u>	<u>\$1,327</u>	<u>\$1,439</u>
<u>256 kbps</u>	<u>\$1,348</u>	<u>\$1,491</u>
<u>384 kbps</u>	<u>\$2,673</u>	<u>\$2,875</u>
<u>512 kbps</u>	<u>\$2,659</u>	<u>\$2,923</u>
<u>768 kbps</u>	<u>\$3,302</u>	<u>\$3,685</u>
<u>1024 kbps</u>	<u>\$3,522</u>	<u>\$4,029</u>
<u>1536 kbps</u>	<u>\$1,450</u>	<u>\$2,197</u>
Internal and External Relocation Charges		One-Time Charge
64 kbps		
128 kbps		
192 kbps		
256 kbps		<u>To be</u>
384 kbps		<u>determined</u>
512 kbps		<u>and approved</u>
768 kbps		<u>by IDA</u>

DESCRIPTION	CHARGES (S\$)	CHARGES (S\$)
1024 kbps 1536 kbps 1984 kbps 2 Mbps 45 Mbps 155 Mbps		
Change of Interface Standard Charge Per Interface Standard Change request		One-Time Charge <u>To be determined and approved by IDA</u>
Tie-Cable Change Charge Per Tie-Cable Change request <u>64 kbps</u> <u>128 kbps</u> <u>192 kbps</u> <u>256 kbps</u> <u>384 kbps</u> <u>512 kbps</u> <u>768 kbps</u> <u>1024 kbps</u> <u>1536 kbps</u> <u>1984 kbps</u> <u>2 Mbps</u> <u>45 Mbps</u> <u>155 Mbps</u>		One-Time Charge <u>\$209.76</u> <u>\$209.76</u> <u>\$232.51</u> <u>\$232.51</u> <u>\$232.51</u> <u>\$232.51</u> <u>\$232.51</u> <u>\$244.74</u> <u>\$244.74</u> <u>\$378.91</u> <u>\$535.95</u> <u>\$535.95</u>

DESCRIPTION	CHARGES (S\$)	CHARGES (S\$)
<p>No-Fault-Found Charges</p> <p>Office hours</p> <p><u>64kbps to 1984kbps</u></p> <p><u>2Mbps</u></p> <p><u>45Mbps & 155Mbps</u></p> <p>After Office hours</p> <p><u>64kbps to 1984kbps</u></p> <p><u>2Mbps</u></p> <p><u>45Mbps & 155Mbps</u></p> <p>Sundays and Public Holidays</p> <p><u>64kbps to 1984kbps</u></p> <p><u>2Mbps</u></p> <p><u>45Mbps & 155Mbps</u></p> <p><u>For all recalls, the Requesting Licensee shall reimburse SingTel for its staff's reasonable transportation claim.</u></p>		<p>One-Time Charge</p> <p><u>\$322.19</u></p> <p><u>\$511.95</u></p> <p><u>\$952.00</u></p> <p><u>\$576.41</u></p> <p><u>\$806.58</u></p> <p><u>\$1566.60</u></p> <p><u>\$926.89</u></p> <p><u>\$1131.98</u></p> <p><u>\$1941.09</u></p>
<p>One-time System Setup Charge</p> <p>Per Requesting Licensee</p>		<p>One-Time Charge</p>
<p>Migration Charge</p> <p>Per IRS Tail Circuit Service Migration Request</p>		<p>One-Time Charge</p> <p><u>To be determined and approved by IDA</u></p>
<p>Express Provisioning Charge</p> <p>Per TCAR</p>		<p>One-Time Charge</p>