

SCHEDULE 5A

LICENSING OF LEAD-IN DUCT AND ITS ASSOCIATED LEAD- IN MANHOLES

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SCHEDULE 5A

LICENSING OF LEAD-IN DUCT AND ITS ASSOCIATED LEAD-IN MANHOLES

1. SCOPE

1.1 This Schedule sets out the terms and conditions under which SingTel will provide the Requesting Licensee with a licence for the use of Building Lead-in Ducts and their associated Lead-in Manholes as requested by the Requesting Licensee for the sole purpose of the Requesting Licensee providing telecommunication services.

1.2 The Requesting Licensee may seek a licence with respect to available Building Lead-in Duct and its associated Lead-in Manhole owned by SingTel subject to:

(a) the use by the Requesting Licensee of the Building Lead-in Duct and its associated Lead-in Manhole to be for the sole purpose of the Requesting Licensee providing telecommunication services; and

(b) the terms and conditions of this Schedule.

1.3 This Schedule only applies to Requesting Licensees who are FBOs.

1.4 The timeframes in this Schedule relating to provisioning work for Licensing of the Building Lead-in Duct and associated Lead-in Manhole to be undertaken by SingTel under clauses 4.2 and 4.4 (**Requests for Building Lead-in Duct and associated Lead-in Manhole**), 5.1 (**Project Study**), 5.6 (**Connection Duct**), 7.2 (**Modified Underground Equipment**), and 9.4 (**maintenance work on Lead-in Duct and associated Lead-in Manhole**) are subject to delays caused by events outside SingTel's reasonable control in which case such failure to meet the timeframes shall not constitute a breach of Schedule or this RIO Agreement and clause 1.5 shall not apply, provided that SingTel notifies the Requesting Licensee as soon as practicable upon the occurrence of such event, stating the cause of the events and specifying a new date for the completion of the relevant provisioning work which is extended for the period of such delays.

1.5 SingTel will provide the Service Level Guarantees in respect of Licensing of Building Lead-in Ducts and their associated Lead-in Manholes as set out in Annex 5A.1. If SingTel fails to meet any Service Level Guarantees applicable and the failure to meet the Service Level Guarantees is solely caused by SingTel, SingTel shall provide a remedy to the Requesting Licensee in accordance with:

- (i) section 1 of Annex 5A.1 and any terms and conditions contained therein in respect of Requests for Building Lead-in Duct and its associated Lead-in Manhole timeframes;
- (ii) section 2 of Annex 5A.1 and any terms and conditions contained therein in respect of Project Study timeframes;
- (iii) section 3 of Annex 5A.1 and any terms and conditions contained therein in respect of Connection Duct timeframes;
- (iv) section 4 of Annex 5A.1 and any terms and conditions contained therein in respect of maintenance work on the relevant Lead-in Duct and its associated Lead-in Manhole;
- (v) section 5 of Annex 5A.1 and any terms and conditions contained therein in respect of timeframes for Modified Underground Equipment; and
- (vi) section 6 of Annex 5A.1 in respect of claims made under Annex 5A.1.

1.6 The Requesting Licensee acknowledges that the relevant remedy provided under clause 1.5 is a genuine pre-estimate of the Requesting Licensee's loss and will be the sole and exclusive remedy available to the Requesting Licensee for such failure to meet the relevant provisioning timeframes for Licensing of Building Lead-in Duct and associated Lead-in Manhole and shall be SingTel's sole and exclusive liability to the Requesting Licensee for such failure.

2. AVAILABILITY OF BUILDING LEAD-IN DUCT/LEAD-IN MANHOLE

2.1 SingTel will provide a licence of Building Lead-in Duct and its associated Lead-in Manhole to the Requesting Licensee on a per Building Lead-in Duct basis.

2.2 For the purposes of this Schedule, SingTel may have regard to the following when assessing the availability of Building Lead-in Duct and its associated Lead-in Manhole:

- (a) immediate demand for the Building Lead-in Duct and its associated Lead-in Manhole which it has already committed to provisioning as at the time of receipt of the Request for Building Lead-in Duct and its associated Lead-in Manhole;

- (b) the reservation of one (1) Building Lead-in Duct and its associated Lead-in Manhole for SingTel's operations and maintenance purposes;
- (c) the Requesting Licensee and other Licensee's requirements (including for operations and maintenance purposes) which have been ordered but not yet delivered or which have been provided;
- (d) security and confidentiality requirements or restrictions imposed on SingTel by Governmental Agencies;
- (e) whether SingTel has plans or otherwise proposes to Decommission the Building Lead-in Duct or its associated Lead-in Manhole within six (6) months of the date on which SingTel receives the Request for Building Lead-in Ducts and its associated Lead-in Manhole;
- (f) whether the Building Lead-in Duct is currently being used in SingTel's Network;
or
- (g) whether SingTel has installed any Building Lead-in Ducts and its associated Lead-in Manholes at the location requested by the Requesting Licensee.

3. ORDERING AND PROVISIONING PROCEDURE

3.1 The Requesting Licensee shall submit its Request for Building Lead-in Duct and its associated Lead-in Manhole in the form of Annex D on a Business Day (**Request Date**). For the purposes of this Schedule 5A, the Request Date shall be determined as follows:

- (a) if the Request for Building Lead-in Duct and its associated Lead-in Manhole is received before 12:00 pm on a Business Day, the Request Date is the Business Day on which the Request for Building Lead-in Duct and its associated Lead-in Manhole is received; or
- (b) if the Request for Building Lead-in Duct and its associated Lead-in Manhole is received at or after 12:00 pm on a Business Day, the Request Date is the Business Day immediately following the Business Day on which the Request for Building Lead-in Duct and its associated Lead-in Manhole is received.

3.2 If the Requesting Licensee requests for more than one (1) Building Lead-in Duct be connected to SingTel's Lead-in Manhole, the Requesting Licensee must

provide to SingTel in writing a reasonable justification for such a request. In determining whether to approve that request, SingTel:

- (a) shall have regard to the number of cables to be installed at the Building Lead-in Duct and its associated Lead-in Manhole as notified to SingTel under clause 3.1; and
 - (b) shall not unreasonably withhold its approval of such a request.
- 3.3 SingTel shall process all Requests for Building Lead-in Duct and its associated Lead-in Manhole on a “first come first served” basis up to the maximum amount specified in clause 3.4.
- 3.4 For each Business Day, SingTel shall process a combined total of no more than four (4) Requests for Building Lead-in Duct and its associated Lead-in Manhole from all Licensees and any subsequent Requests for Building Lead-in Duct and its associated Manhole received on that Business Day shall overflow to the next Business Day. Subject to clause 3.1, subsequent Requests shall overflow to the next Business Day and SingTel shall inform the Requesting Licensee of that overflow within one (1) Business Day of the Request Date.
- 3.5 The Requesting Licensee shall pay the application fee specified in Schedule 9 regardless of whether its Request for Building Lead-in Duct and its associated Lead-in Manhole is successful or not.

4. STUDIES

- 4.1 Following receipt of a Request for Building Lead-in Duct and its associated Lead-in Manhole, SingTel will perform a desk study in respect of the Building Lead-in Duct and its associated Lead-in Manhole to ascertain whether the Building Lead-in Duct and its associated Lead-in Manhole are available (as determined in accordance with clause 2.2) on a preliminary basis.
- 4.2 Subject to clause 3.4, within one (1) Business Day of the Request Date (calculated in accordance with clause 3.1), SingTel shall notify the Requesting Licensee whether its application is accepted or rejected. If the Request for Building Lead-in Duct and associated Lead-in Manhole is rejected, SingTel shall provide the reasons for such rejection to the Requesting Licensee.
- 4.3 SingTel may reject a Request for Building Lead-in Duct and its associated Lead-in Manhole if:

- (a) the Requesting Licensee is not an FBO;
- (b) the Request for Building Lead-in Duct and its associated Lead-in Manhole is not in the prescribed form;
- (c) the Request for Building Lead-in Duct and its associated Lead-in Manhole does not contain all the required information; or
- (d) the information in the Request for Building Lead-in Duct and its associated Lead-in Manhole is incorrect or inaccurate.

4.4 If SingTel notifies the Requesting Licensee that SingTel has accepted the Request for Building Lead-in Duct and its associated Lead-in Manhole, SingTel must complete its desk study and inform the Requesting Licensee of the in-principle approval (**In-Principle Approval**) or rejection within five (5) Business Days of the Request Date, taking into account the following:

- (a) whether the Lead-in Duct and its associated Lead-in Manhole is available as determined under clause 2.2; and
- (b) SingTel's manhole records for the purpose of assessing the availability of the Building Lead-in Duct and its associated Lead-in Manhole.

4.5 In the event SingTel informs the Requesting Licensee that the Building Lead-in Duct and its associated Lead-in Manhole is not available, SingTel must provide reasons explaining the basis for its decision. Where available, SingTel must offer alternative Building Lead-in Ducts and associated Lead-in Manholes to the Requesting Licensee.

4.6 The Requesting Licensee acknowledges that grants by SingTel of the In-Principle Approval does not mean that SingTel is obliged to ensure that the Building Lead-in Duct and its associated Lead-in Manhole will be available at the required time, or to reserve the Building Lead-in Duct and its associated Lead-in Manhole.

4.7 The Requesting Licensee agrees to pay the Project Study Charge specified in Schedule 9, regardless of whether the Request for Building Lead-in Duct and its associated Lead-in Manhole is successful or not.

5. PROJECT STUDY

- 5.1 Except where SingTel has rejected a Request for Building Lead-in Duct and its associated Lead-in Manhole under clause 4.2, or where SingTel has notified that a Building Lead-in Duct and its associated Lead-in Manhole is not available under clause 4.4, or where the Requesting Licensee rejects the alternative Building Lead-in Ducts and associated Lead-in Manholes offered by SingTel under clause 4.5, SingTel must complete a Project Study within five (5) Business Days of the In-Principle Approval (or in the case where SingTel offers alternative Building Lead-in Ducts and associated Lead-in Manholes under clause 4.5, within five (5) Business Days from the date of acceptance by the Requesting Licensee of such alternative). The Requesting Licensee must pay the Project Study fee specified in Schedule 9.
- 5.2 The Project Study shall include a joint site survey to be conducted by SingTel and the Requesting Licensee to enable SingTel and the Requesting Licensee to jointly assess the physical availability of the requested Building Lead-in Duct and its associated Lead-in Manhole at the site or the alternative Building Lead-in Duct and its associated Lead-in Manhole proposed by SingTel (as the case may be).
- 5.3 On completion of the Project Study within the timeframe under clause 5.1, SingTel shall:
- (a) where the Building Lead-in Duct and its Associated Lead-in Manhole are unavailable, notify the Requesting Licensee of the unavailability and provide reasons explaining the basis for its decision; or
 - (b) if the Building Lead-in Duct and its associated Lead-in Manhole is available, SingTel shall notify the Requesting Licensee of its final approval (**Final Approval**) together with the following information:
 - (i) Lead-in Manhole number and location;
 - (ii) the date of provision;
 - (iii) subject to clause 5.4 below, the Charges that SingTel would incur in the provision of the Connection Duct as specified in Schedule 9;
 - (iv) the number of Building Lead-in Ducts and Connection Ducts approved;

- (v) the Building Lead-in Ducts allocated (on a Lead-in Manhole fan-out diagram) to the Requesting Licensee; and
- (vi) the direction and location of the Connection Duct.

5.4 In the event that the provision of the Connection Duct will result in SingTel incurring additional costs over and above the Charges specified in clause 5.3(b)(iii) above, SingTel may recover such costs from the Requesting Licensee provided:

- (i) the costs incurred by SingTel will relate to the work that SingTel needs to perform in order to provision the Connection Duct;
- (ii) before incurring the costs, SingTel will provide the Requesting Licensee with prior reasonable notice that the provision of the Connection Duct requires SingTel to undertake such work and such notice shall clearly and with sufficient detail set out a breakdown of the individual cost components and justification for incurring each cost component;
- (iii) based on the information set out in clause 5.4(ii), a binding quote to the Requesting Licensee in respect of the work to be undertaken by SingTel which shall be valid for a period of five (5) Business Days from the date they are notified to the Requesting Licensee by SingTel;
- (iv) SingTel shall obtain the prior approval of the Requesting Licensee to the costs noted in the notice within the time period under paragraph 5.4(iii) and if the Requesting Licensee does not provide its approval within that time period, clause 5.5 will apply; and
- (v) any dispute in respect of determining the reasonable costs set out in the notice shall be resolved in accordance with Schedule 11 of the RIO Agreement.

5.5 The Requesting Licensee shall provide its agreement to proceed with the construction of the Connection Duct within five (5) Business Days from the Final Approval and its agreement to pay the Charges, and any additional costs under clause 5.4, to be incurred in the construction of the Connection Duct. If the Requesting Licensee does not respond within this period, or informs SingTel that it is unwilling to incur such Charges or additional costs, or informs the SingTel of its intention to withdraw the request, SingTel shall not be obliged to proceed with the construction of the Connection Duct and shall not incur any of such Charges

or additional costs and the Requesting Licensee's Request for Building Lead-in Duct and its associated Lead-in Manhole will be deemed to be withdrawn. For the avoidance of doubt, the Requesting Licensee shall remain liable for reasonable costs that SingTel has incurred until the date of withdrawal of the request.

- 5.6 Upon receipt of the Requesting Licensee's agreement, SingTel shall construct the Connection Duct within twenty (20) Business Days. If SingTel fails to meet the specified timeframe, SingTel must provide a remedy to the Requesting Licensee for the duration of the delay under clause 1.5.
- 5.7 If SingTel reasonably believes that it is unable to or it is likely to be unable to complete construction of the Connection Duct within the specified timeframe in clause 5.6, SingTel must notify the Requesting Licensee as soon as practicable (but in any event, before the expiry of the timeframe specified in clause 5.6) and provide a revised timeframe in which construction will be completed. Any extension of time under this clause 5.7 shall not prejudice the Requesting Licensee's right to receive a remedy in accordance with clause 5.6 for the duration of the delay under clause 1.5.
- 5.8 SingTel shall use its best endeavours to construct the Connection Duct within its price specified in clauses 5.3(b)(iii) and 5.4. Where SingTel requires a revision of costs from time to time due to circumstances beyond its reasonable control, SingTel must comply with clause 5.4.
- 5.9 SingTel will advise the Requesting Licensee when the construction of Connection Duct is completed (**Completion Date**). The Requesting Licensee shall connect its duct to the Connection Duct within twenty-five (25) Business Days from the Completion Date. If the Requesting Licensee does not connect its duct to the Connection Duct within this period, the Requesting Licensee's Request for Building Lead-in Duct and its associated Lead-in Manhole will lapse. If the Requesting Licensee's failure to complete connection is attributable to circumstances beyond the Requesting Licensee's reasonable control, SingTel will grant a reasonable extension of time for installation to the Requesting Licensee at the Requesting Licensee's request (**Extension Period**). A Requesting Licensee's request under this clause must describe the circumstances beyond the Requesting Licensee's control and such request must be received prior to the expiry of the aforementioned twenty-five (25) Business Day period. SingTel must respond to a Requesting Licensee's request under this clause within two (2) Business Days from the date of receipt of such a request. If the Requesting Licensee does not connect its duct to the Connection Duct within the Extension Period, the

Requesting Licensee's Request for Building Lead-in Duct and its associated Lead-in Manhole will lapse.

- 5.10 The Requesting Licensee shall inform SingTel when the connection of its duct to the Connection Duct is completed.

6. CABLE PULLING

- 6.1 The Requesting Licensee shall submit to SingTel its request to physically access SingTel's Lead-in Manhole for the pulling of cables through the Building Lead-in Duct and its associated Lead-in Manhole at least five (5) Business Days in advance and in any case, within thirty (30) Business Days from the Completion Date. If the Requesting Licensee does not apply for cable installation in accordance with this clause, its Request for Building Lead-in Duct and its associated Lead-in Manhole will lapse.

- 6.2 In its request under clause 6.1, the Requesting Licensee shall specify:

- (a) the identity of the senior person who will be present;
- (b) the list of staff, contractors or agent that would be physically accessing SingTel's Lead-in Manhole for cable installation works;
- (c) the cable installation time table specifying the date(s) and an estimate of the duration for which cable pulling work is requested;
- (d) the location and/or site plan of the Building Lead-in Duct and its associated Lead-in Manhole to which cable pulling is requested;
- (e) the number of cables to be installed at the Building Lead-in Duct and its associated Lead-in Manhole, the cable type and size of each cable (**Underground Equipment**);
- (f) the cable installation plan specifying the installation method and the position of each cable in the Lead-in Manhole fan-out diagram; and
- (g) a detailed work method statement (including how the Requesting Licensee can prevent damage to SingTel's existing cables found inside the Lead-in Manhole) for cable and sub-duct pulling consistent with SingTel's guidelines set out in Annex I for SingTel's approval.

- 6.3 The Requesting Licensee must not commence the cable installation until it has received SingTel's approval for the cable installation.
- 6.4 Within three (3) Business Days of the receipt of request submitted under clause 6.1, SingTel shall review the submitted request and state whether cable installation is approved on the requested date and duration or not. SingTel shall not unreasonably reject such request.
- 6.5 If SingTel notifies the Requesting Licensee of its approval for the cable installation request under clause 6.4, the Requesting Licensee shall complete the installation of the Underground Equipment in the Building Lead-in Duct and its associated Lead-in Manhole within twenty-five (25) Business Days of SingTel's approval. If the Requesting Licensee's failure to complete installation is attributable to circumstances beyond the Requesting Licensee's reasonable control, SingTel will grant a reasonable extension of time for installation to the Requesting Licensee at the Requesting Licensee's request (**Extension Period**). A Requesting Licensee's request under this clause must describe the circumstances beyond the Requesting Licensee's control and such request must be received prior to the expiry of the aforementioned twenty-five (25) Business Day period. SingTel must respond to a Requesting Licensee's request under this clause 6.5 within two (2) Business Days from the date of receipt of such a request. If the Requesting Licensee does not complete the cable installation within the Extension Period, the Requesting Licensee's Request for Building Lead-in Duct and its associated Lead-in Manhole will lapse.
- 6.6 Where approval is withheld, or amendments are required by SingTel, SingTel shall consult the Requesting Licensee and propose an alternative installation schedule to the Requesting Licensee. The Requesting Licensee shall pay SingTel the Charges for the processing of the application for cable installation under clause 6.1 regardless of whether the application is successful or not.
- 6.7 If the Requesting Licensee cancels or postpones the cable installation date, it shall pay SingTel the reasonable costs that SingTel has incurred up to the point of cancellation including but not limited to the cancellation charge specified in Schedule 9.
- 6.8 The Requesting Licensee shall notify SingTel on completion of the cable installation under this clause and submit to SingTel within ten (10) Business Days from its completion of cable installation, the work completion report which comprises of the following:

- (a) the Lead-in Manhole number;
- (b) the start date and time at which physical access to SingTel's Lead-in Manhole is carried out;
- (c) the end date and time at which physical access to SingTel's Lead-in Manhole is carried out;
- (d) photographs of the Lead-in Manhole side wall showing the entry and the exit position of the cables inside the Lead-in Manhole and the Duct(s) used;
- (e) photograph(s) of the cable(s) showing the way the cable was installed in the Lead-in Manhole. The cables should have been installed with sufficient slack and the cable identification code should be clearly labelled on the cable sheath;
- (f) photograph(s) of the duct seal inside the Lead-in Manhole showing that the duct seal was properly sealed; and
- (g) photograph(s) of the Lead-in Manhole cover showing that the Lead-in Manhole cover is properly closed after the physical access. The Lead-in Manhole cover is properly closed if it is flush with its frame and the existing ground level when closed. The Lead-in Manhole number should also be clearly printed.

6.9 If the Requesting Licensee fails to submit its work completion report in accordance with clause 6.8, SingTel shall proceed with the verification of work completion after the expiry of the timeframe in clause 6.5 or on completion of the cable pulling date whichever is the earlier. The reasonable cost incurred will be recovered from the Requesting Licensee. If the Requesting Licensee's failure to submit its work completion report is due to circumstances beyond the Requesting Licensee's reasonable control, SingTel will grant a reasonable extension of time for submitting the work completion report at the Requesting Licensee's request (**Extension Period**). A Requesting Licensee's request under this clause must describe the circumstances beyond the Requesting Licensee's reasonable control and such request must be received prior to the expiry of the time period under clause 6.8. SingTel must respond to a Requesting Licensee's request under this clause 6.9 within two (2) Business Days from the date of receipt of such request.

6.10 If any photograph provided in the work completion report is not clear or, in SingTel's reasonable view, not adequate to demonstrate that the installation of the cable is installed in accordance with the installation plan and the Standard Operating Procedures contained in Annexes A and C, SingTel shall, within ten

(10) Business Days from the receipt of the report, reject the submission and require the Requesting Licensee to re-submit the work completion report within ten (10) Business Days from the date SingTel informs the Requesting Licensee of its rejection, failing which SingTel shall proceed with the verification of work completion and take such corrective action necessary. SingTel shall recover the reasonable cost incurred from the Requesting Licensee.

6.11 SingTel may at its own discretion, carry out an inspection to confirm that the installations conform to the approved installation plans and the Standard Operating Procedures. Where the inspection reveals that the installation does not conform to the approved installation plan in a significant manner which disadvantages SingTel or jeopardises SingTel's plant, SingTel shall inform the Requesting Licensee to reinstall or take other corrective action within a reasonable time as required by SingTel, but in any event within ten (10) Business Days. The Requesting Licensee shall bear all reasonable costs for reinstallation and corrective action, and the reasonable costs incurred by SingTel for inspection of the corrective action and installation. If the Requesting Licensee fails to take appropriate corrective action, SingTel may withdraw physical access or undertake the appropriate corrective action and recover the reasonable cost from the Requesting Licensee accordingly.

6.12 Before the installation of Underground Equipment, the Requesting Licensee may cancel any request or approval for sharing of Building Lead-in Duct and its associated Lead-in Manhole upon written notice to SingTel. SingTel may charge an administrative fee as detailed in Schedule 9 for processing such cancellation as well as the reasonable cost that SingTel incurred up to the point of cancellation.

7. REPLACEMENT OR ADDITION OF UNDERGROUND EQUIPMENT

7.1 If the Requesting Licensee wishes to replace, modify or rearrange existing Underground Equipment located in the Building Lead-in Duct and its associated Lead-in Manhole or to install additional Underground Equipment in the Building Lead-in Duct and its associated Lead-in Manhole that do not require the licence of additional Building Lead-in Duct or construction of additional Connection Duct (**Modified Underground Equipment**), the Requesting Licensee must submit a request in respect of that Modified Underground Equipment. The Requesting Licensee shall be liable for the costs incurred by SingTel in processing a request for Modified Underground Equipment under this clause 7.1 as specified in Schedule 9. The request must contain the following information:

(a) Purpose of replacement, modification or rearrangement;

- (b) Date, time and duration of replacement, modification or rearrangement;
- (c) Detailed description of works and process to be carried out at the Lead-in Manhole;
- (d) Underground Equipment to be installed, replaced, modified or rearranged;
- (e) Any assistance required from SingTel (subject to approval and charges);
- (f) A description of the precautions on how the Requesting Licensee would ensure that the replacement, modification, rearrangement or addition would not affect any SingTel plant or equipment; and
- (g) Any other information which the Requesting Licensee believes would be useful to SingTel in assessing the Requesting Licensee's request.

7.2 Within five (5) Business Days of the receipt of the request for Modified Underground Equipment, SingTel must notify the Requesting Licensee whether its request for Modified Underground Equipment is accepted or rejected. If SingTel does not meet the timeframe under this clause 7.2, it shall provide the Requesting Licensee with a remedy for the duration of the delay under clause 1.5. SingTel may reject the request for Modified Co-Location Equipment if SingTel reasonably believes that:

- (a) the replacement, modification, rearrangement or addition reasonably affects any SingTel plant or equipment; and
- (b) the Requesting Licensee has, in SingTel's reasonable opinion, not complied with clause 7.1.

8. ACCESS TO BUILDING LEAD-IN DUCT THROUGH SINGTEL'S LEAD-IN MANHOLE

8.1 Where necessary the Requesting Licensee will arrange access to the spare Building Lead-in Duct to one riser via the associated SingTel Lead-in Manhole. The Requesting Licensee will distribute its Underground Equipment from that riser to other risers within the building via horizontal trunking subject to approval from building owners, Housing Development Board (HDB) and the Town Council as appropriate.

8.2 Where clause 8.1 is not feasible, the Requesting Licensee may apply for access to spare Building Lead-in Ducts to the risers via each of SingTel's Lead-in

Manholes and SingTel will not unreasonably reject such an application by a Requesting Licensee.

9. STANDARD TERMS AND CONDITIONS

9.1 SingTel licenses Building Lead-in Duct and its associated Lead-in Manhole on an “as-is-where-is” basis.

9.2 The Requesting Licensee shall be responsible for the construction and maintenance of its Network including its Underground Equipment. SingTel will be responsible for maintaining and administering the Building Lead-in Duct and its associated Lead-in Manhole under this Schedule.

9.3 If in the course of installation, operation, maintenance, replacement or repair of its Underground Equipment, the Requesting Licensee detects a defect or problem in SingTel’s Underground Equipment, plant, Facilities, Building Lead-in Duct or Lead-in Manhole, the Requesting Licensee shall, as soon as practicable, notify SingTel of the relevant manhole number and provide a description of the defect or problem.

9.4 The Requesting Licensee may request that SingTel perform maintenance work on the Lead-in Duct and its associated Lead-in Manhole to rectify any defect or problem with the Lead-in Duct and its associated Lead-in Manhole. If SingTel, acting reasonably, considers that the defect or problem affects or is likely to affect the Requesting Licensee’s use of the relevant Lead-in Duct and its associated Lead-in Manhole, SingTel shall within five (5) Business Days of receipt of a request for maintenance work provide the Requesting Licensee with an estimate of the time that SingTel will take to complete the maintenance work including the estimated time needed to obtain any necessary approval from a third party under clause 9.5 (First Response).

9.5 SingTel shall commence maintenance work on the Lead-in Duct and its associated Lead-in Manhole within five (5) Business Days of the provision of the First Response under clause 9.4, except where SingTel must obtain the consent, approval or permission of a third party to conduct such maintenance work, in which case:

(a) within three (3) Business Days of the provision of the First Response under clause 9.4, SingTel shall apply to the third party for the relevant consent, approval or permission; and

- (b) upon receipt of the relevant consent, approval or permission from the third party, commence the maintenance work within five (5) Business Days of the receipt of such consent, approval or permission.

9.6 SingTel must complete the maintenance work within the timeframe notified to the Requesting Licensee under clause 9.4. If SingTel fails to complete the maintenance work within the timeframe notified under clause 9.4, SingTel shall:

- (a) as soon as reasonably practicable (but in any event, no later than five (5) Business Days before the expiry of the notified timeframe), notify the Requesting Licensee of a revised date for completion of the maintenance work; and
- (b) provide a rebate to the Requesting Licensee for a period equal to period of delay in accordance with clause 1.5.

9.7 For the avoidance of doubt:

- (a) a revised timeframe for the completion of maintenance work under clause 9.6(a) shall not prejudice the Requesting Licensee's ability to obtain a rebate under clause 9.6(b) in accordance with clause 1.5; and
- (b) if SingTel fails to complete the maintenance work within the timeframe notified to the Requesting Licensee under clause 9.4 due to events outside SingTel's reasonable control, such failure to meet the timeframes shall not constitute a breach of this Schedule or this RIO Agreement, provided that SingTel notifies the Requesting Licensee as soon as practicable upon the occurrence of such event, stating the cause of the events and specifying a new date for the completion of maintenance work by extending the relevant timeframes for a period equal to the period of such delay.

9.8 The Requesting Licensee must:

- (a) take such action as a reasonably prudent Licensee would;
- (b) keep the Lead-in Manhole and its surrounding area free of debris and in a tidy and safe condition;
- (c) ensure that no flammable or toxic material is left in or around the Lead-in Manhole; and

(d) correct or remove any fault, defect or problem with its Underground Equipment that may jeopardise the SingTel's Building Lead-in Duct, Lead-in Manhole or Underground Equipment, plant, or Facilities.

9.9 If a fault, defect or problem with the Underground Equipment of the Requesting Licensee causes or may cause damage to the Building Lead-in Duct, Lead-in Manhole or Underground Equipment, the Requesting Licensee must:

(a) notify SingTel as soon as practicable; and

(b) repair the fault, defect or problem or take other corrective action immediately.

9.10 Where SingTel reasonably determines that the Requesting Licensee's Underground Equipment poses an immediate risk of personal injury or significant property damage, it may, at the Requesting Licensee's cost, take any interim measure necessary to prevent such injury or damage, pending attendance by the Requesting Licensee to perform corrective work.

9.11 When SingTel's and the Requesting Licensee's plant is damaged by a Third Party at the same location, SingTel has priority over the Requesting Licensee to work in SingTel's Building Lead-in Duct and its associated lead-in Manhole.

9.12 SingTel is not responsible for the maintenance of the owner's portion of the Building Lead-in Duct.

10. ACCESS AND APPROVALS REQUIRED

10.1 The Parties shall comply with clause 16.5 of the main body of this RIO Agreement in relation to the obtaining of all licences, permits, consents, waivers, authorisations and intellectual property or other rights required for the provision of the licensed Building Lead-in Duct and its associated Lead-in Manhole.

11. UNAUTHORISED ACCESS TO SINGTEL'S UNDERGROUND PLANT

11.1 Without prejudice to any other rights SingTel may have (whether under contract, at law, or in equity), where SingTel identifies that the Requesting Licensee has accessed its Building Lead-in Duct and its associated Lead-in Manhole without having obtained approval in accordance with this Schedule, SingTel may do any one or more of the following:

- (a) subject to notifying the Authority that a material breach of this Schedule 5A has occurred and obtaining an order from the Authority under clause 12.2 or 13.2 of the RIO Agreement (as the case may be) for SingTel to suspend or terminate this Schedule 5A, SingTel may suspend or terminate this Schedule 5A;
 - (b) direct the Requesting Licensee to, within five (5) Business Days of the notice, remove its equipment from the Lead-in Duct or Lead-in Manhole; and/or
 - (c) direct the Requesting Licensee to, within two (2) Business Days of the notice, submit a Request for Lead-in Duct or Lead-in Manhole in accordance with this schedule 5A.
- 11.2 The Requesting Licensee must pay the reasonable costs incurred by SingTel in investigating the unauthorised access.
- 11.3 SingTel will assess the Request for Building Lead-in Duct and its associated Lead-in Manhole under clause 11.1(c) in accordance with clauses 4 and 5.
- 11.4 If the Requesting Licensee does not remove its equipment within five (5) Business Days of the notice under clause 11.1(b), SingTel may remove the equipment and the Requesting Licensee shall be liable for any reasonable costs associated with its removal.
- 11.5 If the Requesting Licensee is directed to submit a Request for a Lead-in Duct or Lead-in Manhole under clause 11.1(c), the Requesting Licensee must provide documentary evidence of the date of installation as part of the Request for a Lead-in Duct or Lead-in Manhole. If the Requesting Licensee is unable to provide credible documentary evidence substantiating the date of installation, the date of access shall be deemed to be the Effective Date of this RIO Agreement.
- 11.6 Where SingTel approves the Request for Building Lead-in Duct and its associated Lead-in Manhole under clause 11.1(c) of the Schedule, the Requesting Licensee must pay, within ten (10) Business Days from the date of approval, SingTel's reasonable costs incurred in investigating the unauthorised access, and the Charges in arrears calculated from the date of access (including the date of deemed access under clause 11.5) in accordance with Schedule 9.
- 11.7 If SingTel rejects the Request for Building Lead-in Duct and its associated Lead-in Manhole under clause 11.1(c) of the Schedule, the Requesting Licensee must pay, within ten (10) Business Days from the date of rejection, SingTel's reasonable costs incurred in investigating the unauthorised access, and the

Charges in arrears calculated from the date of access (including the date of deemed access under clause 11.5) in accordance with Schedule 9 and the Requesting Licensee must discontinue the use of the Building Lead-in Duct and its associated Lead-in Manhole and remove its Underground Equipment within five (5) Business Days.

12. PHYSICAL ACCESS PROCEDURE

12.1 When installing, accessing, operating or working around SingTel's Building Lead-in Duct and its associated Lead-in Manhole, the Requesting Licensee must comply with:

- (a) physical access procedures for Underground Plant in Annex B as amended from time to time by SingTel;
- (b) the Standard Operating Procedures in Annex A and C as amended by SingTel from time to time;
- (c) all relevant codes and standards issued by the Authority or any other relevant Governmental Agency from time to time; and
- (d) any reasonable written instructions provided to the Requesting Licensee by SingTel relating to particular circumstances not covered by the Standard Operating Procedures.

13. PROTECTION AND SAFETY

13.1 The Requesting Licensee is responsible for the safe operation of its Network and shall be responsible for the safe operation of its Underground Equipment and shall, so far as reasonably practicable, take all necessary steps to ensure that its Underground Equipment and its use of the Building Lead-in Duct and its associated Lead-in Manhole:

- (a) does not endanger the safety of any person, including the employees, contractors, customers or third persons;
- (b) does not cause or is not likely to cause physical or technical harm to any telecommunications network, system or services including but not limited to causing damage, interfering with or causing deterioration in the operation of SingTel's Network or Facilities or creates a security risk; and

(c) does not threaten the security and accessibility of SingTel's Building Lead-in Duct or associated Lead-in Manhole.

13.2 The Requesting Licensee shall report immediately any incident, injury or harm, fatal or otherwise, that occurs at the site to SingTel and the relevant authority. For any fatal or serious accident, the accident site shall be left undisturbed to facilitate the relevant authority to investigate the circumstances leading to the accident. The Requesting Licensee shall report immediately to the Ministry of Manpower, the police and the insurance company of any fatal accident having occurred at the site. The Requesting Licensee shall be liable for and shall indemnify and keep indemnified SingTel against all losses, claims, proceedings, damages, liabilities, costs and expenses for injuries or death to any person whomsoever or any loss or damage to any property whatsoever which arise out of or in consequence of any act or omission of the Requesting Licensee's employees and contractors in relation to SingTel's Building Lead-in Duct and its associated Lead-in Manhole and against all claims, demands, proceedings, damages, costs, charges, and expenses whatsoever in respect thereof.

13.3 The Requesting Licensee certifies that all work to be performed by the Requesting Licensee where access has been approved is performed by appropriately qualified, skilled and trained personnel.

14. MARKING OF UNDERGROUND EQUIPMENT

14.1 The Requesting Licensee must mark its Underground Equipment located in Building Lead-in Ducts and its associated Lead-in Manholes, so as to clearly identify it as belonging to the Requesting Licensee and otherwise in accordance with SingTel's reasonable directions issued from time to time.

15. REQUESTING LICENSEE RIGHTS

15.1 The approval and provision of sharing does not vest in the Requesting Licensee any right, title or proprietary interest in the relevant Building Lead-in Duct or its associated Lead-in Manhole.

16. TERM OF LICENCE

16.1 The term of the licence of a Building Lead-in Duct and its associated Lead-in Manhole granted under this Schedule shall commence on the Completion Date of the relevant Connection Duct in respect of that Building Lead-in Duct and its

associated Lead-in Manhole and shall continue for the term of the RIO Agreement until the earlier of any of the following events:

- (a) either party terminates the licence in accordance with clause 18 of this Schedule;
- (b) the SingTel RIO is revoked by the Authority under clause 13.7 of the RIO Agreement;
- (c) the Authority removes the requirement for SingTel to supply Lead-in Ducts and its associated Lead-in Manholes under the SingTel RIO or exempts SingTel from supplying Lead-in Ducts and its associated Lead-in Manholes under clause 13.8 of the RIO Agreement; or
- (d) subject to clause 16.2, the Requesting Licensee terminates the licence in respect of the Building Lead-in Duct and its associated Lead-in Manhole by giving SingTel not less than one (1) month's prior written notice.

16.2 The Requesting Licensee may terminate the licence on less than one (1) month's prior written notice provided that the Requesting Licensee shall be liable to SingTel for the recurring fees for that Building Lead-in Duct and associated Lead-in Manhole for the period between the date of termination and the date that is one month after the notice of termination.

17. SUSPENSION OF LICENCE

17.1 Subject to clause 12.2 of the RIO Agreement, SingTel may suspend the Requesting Licensee's licence in respect of the Building Lead-in Duct and its associated Lead-in Manhole until further notice if the licence in respect of the Building Lead-in Duct and its associated Lead-in Manhole causes or is likely to cause physical or technical harm to any telecommunications network, system or services (whether of SingTel or any other person) including but not limited to causing damage, interfering with or causing deterioration in the operation of the SingTel Network.

17.2 SingTel may carry out repairs or upgrades to any Building Lead-in Duct and its associated Lead-in Manhole by giving fourteen (14) Calendar Days' notice to the Requesting Licensee (such repair or upgrades to be assessed and performed on the same criteria as SingTel provides to itself, its affiliates and Customers).

17.3 Without limiting the exclusions or limitations of liability in this RIO Agreement, SingTel shall not be liable to the Requesting Licensee for any Loss resulting from,

or in connection with, suspension of access to the Building Lead-in Duct and its associated Lead-in Manhole under this clause.

- 17.4 Where the suspension is due to the fault of the Requesting Licensee, the Requesting Licensee must compensate SingTel for the reasonable cost it incurs in lifting the suspension after the Requesting Licensee has rectified its fault.

18. TERMINATION OF LICENCE

- 18.1 SingTel may terminate the licence in respect of the Building Lead-in Duct and its associated Lead-in Manhole at any time with immediate effect by giving notice to the Requesting Licensee if the Requesting Licensee fails to complete the installation of its Underground Equipment within twenty-five (25) Business Days under this Schedule. If the Requesting Licensee's failure to complete installation is attributable to circumstances beyond the Requesting Licensee's reasonable control, SingTel will grant a reasonable extension of time for installation to the Requesting Licensee at the Requesting Licensee's request (**Extension Period**). A Requesting Licensee's request under this clause must describe SingTel's actions or the circumstances beyond the Requesting Licensee's control and such request must be received prior to the expiry of the aforementioned twenty-five (25) Business Day period. SingTel must respond to the Requesting Licensee's request under this clause within two (2) Business Days from the date of receipt of such request. If the Requesting Licensee does not complete the cable installation within the Extension Period, the licence in respect of the Building Lead-in Duct and its associated Lead-in Manhole will be terminated.

- 18.2 SingTel may immediately terminate the licence in respect of the Building Lead-in Duct and its associated Lead-in Manhole if:

- (a) the Requesting Licensee is no longer an FBO;
- (b) in SingTel's reasonable opinion, the Requesting Licensee is using the Building Lead-in Duct and its associated Lead-in Manhole in contravention of an applicable law, licence, code, regulation or direction and SingTel has the necessary confirmation from the relevant Governmental Agencies that the Requesting Licensee is in contravention of the applicable law, licence, code, regulation or direction;
- (c) the Requesting Licensee's Underground Equipment is used for a purpose other than for the purpose of the Requesting Licensee providing telecommunication services to the Requesting Licensee's Customers;

- (d) the Requesting Licensee locates equipment other than Underground Equipment in the Building Lead-in Duct and its associated Lead-in Manhole;
 - (e) the Building Lead-in Duct and its associated Lead-in Manhole have become unsafe for its purpose;
 - (f) SingTel's right to own, maintain or operate the Building Lead-in Duct and its associated Lead-in Manhole is revoked or terminates or expires; or
 - (g) use of the Building Lead-in Duct and its associated Lead-in Manhole causes or is likely to cause physical or technical harm to any telecommunications network, system or services (whether of SingTel or any other person) including but not limited to causing damage, interfering with or causing deterioration in the operation of SingTel's Network.
- 18.3 SingTel may terminate the licence in respect of the Building Lead-in Duct and its associated Lead-in Manhole after giving the Requesting Licensee ten (10) Business Days' prior written notice if the Requesting Licensee removes or abandons its Underground Equipment and the Requesting Licensee did not dispute such written notice by SingTel.
- 18.4 Either Party (**Terminating Party**) may terminate the licence in respect of the Building Lead-in Duct and its associated Lead-in Manhole if the other Party is in breach of this Schedule and such breach remains unremedied for a period of:
- (a) seven (7) Calendar Days after receiving notice from the Terminating Party to do so, if the breach is a service affecting breach; and
 - (b) fourteen (14) Calendar Days after receiving notice from the Terminating Party to do so, if the breach is a non-service affecting breach (including but not limited to failure to pay any sum for which the Requesting Licensee has been Invoiced).
- 18.5 If SingTel has plans or otherwise proposes to decommission a Building Lead-in Duct and its associated Lead-in Manhole, SingTel may provide the Requesting Licensee with at least six (6) months' prior notice of its intention to terminate the sharing of the Building Lead-in Duct and its associated Lead-in Manhole.
- 18.6 At any time during the term of access to the Building Lead-in Duct and its associated Lead-in Manhole, if access to that Building Lead-in Duct and its associated Lead-in Manhole is to be terminated because of the closure of a POA or Building MDF room, SingTel must give the Requesting Licensee at least six (6)

months' prior notice before such event and if SingTel is unable to give such notice for circumstances beyond SingTel's reasonable control, SingTel must notify the Requesting Licensee as soon as reasonably practicable upon being aware of any pending closure of the POA or the Building MDF room. SingTel shall take reasonable measures to minimise the disruptions to the Requesting Licensee's operations that may result from the termination of access to the Building Lead-in Duct and its associated Lead-in Manhole. The Requesting Licensee shall bear its own costs associated with the closure of the POA or Building MDF room and the termination of the sharing of Building Lead-in Duct and its associated Lead-in Manhole, and the Requesting Licensee shall solely be responsible for making such alternative arrangements as are necessary to continue to provide its customers with services. In the event that the Requesting Licensee requests assistance from SingTel within thirty (30) Business Days after receiving a notice under this clause to provide an alternative solution to the Building Lead-in Duct and its associated Lead-in Manhole which is being terminated, SingTel shall use its reasonable endeavours to assist the Requesting Licensee in finding suitable alternatives to the Building Lead-in Duct and its associated Lead-in Manhole that is the subject of termination provided that nothing in this clause shall restrict SingTel's right to terminate under this clause 18 and that the ultimate responsibility to find an alternative lies with the Requesting Licensee.

19. EXPIRY OF TERM OF LICENCE

- 19.1 Upon expiry or termination of the licence in respect of the Building Lead-in Duct and its associated Lead-in Manhole, the Requesting Licensee must discontinue the use of the Building Lead-in Duct and its associated Lead-in Manhole and remove its Underground Equipment immediately.
- 19.2 Where the Requesting Licensee fails to discontinue the use of the Building Lead-in Duct and its associated Lead-in Manhole and to remove its Underground Equipment, SingTel shall remove the Underground Equipment and the Requesting Licensee shall pay all reasonable costs associated with its removal.
- 19.3 Upon expiry or termination of the licence in respect of the Building Lead-in Duct and its associated Lead-in Manhole and the removal of the Requesting Licensee's Underground Equipment, SingTel shall verify and restore the state of the Building Lead-in Duct and its associated Lead-in Manhole. The Requesting Licensee shall pay all reasonable costs incurred by SingTel in verifying and restoring the state of the Building Lead-in Duct and its associated Lead-in Manhole, including the costs of updating SingTel's records, other than in circumstances where the Requesting Licensee's discontinuation of the use of the Building Lead-in Duct and its

associated Lead-in Manhole is a direct result of SingTel's decommissioning of the Building Lead-in Duct and its associated Lead-in Manhole under this Schedule 5A.

- 19.4 If this Schedule or this RIO Agreement is terminated for any reason, any sharing of Building Lead-in Duct and its associated Lead-in Manhole is also terminated.
- 19.5 The Requesting Licensee shall pay the termination fee specified in Schedule 9 for the termination of the licence of the Building Lead-in Duct and its associated Lead-in Manhole other than in circumstances where the Requesting Licensee's termination of the licence of the Building Lead-in Duct and its associated Lead-in Manhole is a direct result of SingTel's decommissioning of the Building Lead-in Duct and its associated Lead-in Manhole under this Schedule 5A.
- 19.6 For the avoidance of doubt, the Requesting Licensee's right to physical access to the Building Lead-in Duct and its associated Lead-in Manhole shall terminate upon the termination of the licence of Building Lead in Duct and its associated Lead-in Manhole.

20. SUB-LICENSING

- 20.1 The Requesting Licensee must not assign the licence in respect of or sub-let the Building Lead-in Duct and its associated Lead-in Manhole licensed under this Schedule.

ANNEX 5A.1

SERVICE LEVEL GUARANTEES

1. REBATES FOR BUILDING LEAD-IN DUCT AND ASSOCIATED LEAD-IN MANHOLE REQUEST TIMEFRAMES

Missed notification timeframe as to whether Request for Building Lead-in Duct and associated Lead-in Manhole is accepted or rejected (clause 4.2) by:	Rebate
1-30 Calendar Days	Number of days of delay x weekly recurring Charge
More than 30 Calendar Days	30 x weekly recurring Charge

Missed notification timeframe as to whether In-Principle Approval is granted or rejected (clause 4.4) by:	Rebate
1-30 Calendar Days	Number of days of delay x weekly recurring Charge
More than 30 Calendar Days	30 x weekly recurring Charge

2. REBATES FOR PROJECT STUDY TIMEFRAMES

Missed timeframe for completion of Project Study (clause 5.1) by:	Rebate
1-30 Calendar Days	Number of days of delay x weekly recurring Charge
More than 30 Calendar Days	30 x weekly recurring Charge

3. REBATES FOR CONNECTION DUCT TIMEFRAMES

Missed timeframe for completion for Connection Duct (clause 5.6) by:	Rebate
1-30 Calendar Days	Number of days of delay x weekly recurring Charge
More than 30 Calendar Days	30 x weekly recurring Charge

4. REBATES FOR MAINTENANCE WORK TIMEFRAMES

Missed timeframe for completion of Maintenance Work (clause 9.4) by:	Rebate
1-30 Calendar Days	Number of days of delay x weekly recurring Charge
More than 30 Calendar Days	30 x weekly recurring Charge

5. REBATES FOR MODIFIED UNDERGROUND EQUIPMENT TIMEFRAMES

Missed timeframe for processing of request for Modified Underground Equipment (clause 7.2) by:	Rebate
1-30 Calendar Days	Number of days of delay x weekly recurring Charge
More than 30 Calendar Days	30 x weekly recurring Charge

6. CLAIM PROCEDURES

- (a) A claim by the Requesting Licensee shall be made in writing within fourteen (14) Calendar Days of the completion of the relevant Calendar Month on which the Service Level Guarantees are measured. The amount in respect of any claim shall be paid to the Requesting Licensee in the form of a rebate. The Requesting Licensee acknowledges that a failure to make a claim within the specified timeframes under this paragraph means that the Requesting Licensee waives any entitlement to the Service Level Guarantee payment in respect of that claim.
- (b) If the Requesting Licensee is entitled to a rebate pursuant to the claim made hereunder, then the amount of the rebate will be credited into the Requesting Licensee's account after it has been processed by SingTel and will be reflected in SingTel's bill to the Requesting Licensee in accordance with SingTel's billing cycle.
- (c) The guarantee and rebates provided by SingTel under this Annex 5A.1 are:
- (i) of an ex-gratia nature and personal to the Requesting Licensee and are non-transferable; and
 - (ii) subject to this Schedule.

- (d) Despite anything to the contrary in this section, if the Requesting Licensee qualifies for any claim under this Annex 5A.1, SingTel shall honour its obligations in respect of that claim but in the event of a dispute as to whether the Requesting Licensee qualifies for a claim or as to the quantum of the claim payable to the Requesting Licensee, the dispute shall be resolved in accordance with the Dispute Resolution Procedures in Schedule 11 of the RIO, or in the case of a Billing Dispute, in accordance with Schedule 10 of the RIO.

ANNEX A

SOP ON PREVENTION OF DAMAGE TO BUILDING LEAD-IN DUCT AND ITS ASSOCIATED LEAD-IN MANHOLE

- (a) The Requesting Licensee will purchase service layout plans from SingTel in respect of each Lead-in Manhole to which access is provided under this Schedule.
- (b) The Requesting Licensee will submit an earthwork notification form to SingTel within seven (7) days before the commencement of earthwork in accordance with section 29(1) of the Act.
- (c) When working in or around the vicinity of SingTel's Underground Plant, the Requesting Licensee will engage licensed telecommunications cable detection workers to detect SingTel's Underground Plant and carry out trial holes by manual digging to expose SingTel's Underground Plant in order to determine the depth and alignment of SingTel's Underground Plant.
- (d) If necessary, a site meeting may be arranged at the Requesting Licensee's cost to co-ordinate the routing of the Requesting Licensee's ducts.
- (e) The Requesting Licensee will carry out trial holes by manual digging when working in or near the vicinity of SingTel's Underground Plant to determine the depth and the alignment of SingTel's Underground Plant.
- (f) At the Requesting Licensee's cost, the Requesting Licensee may seek SingTel's assistance to ascertain the location of SingTel's Underground Plant. The Requesting Licensee may also provide visible markings (such as poles, tapes, painting, etc.) to indicate the estimated position of SingTel's Underground Plant for SingTel's confirmation.
- (g) The Requesting Licensee will submit to SingTel the method of support and protection to the exposed SingTel's Underground Plant for SingTel's concurrence.
- (h) If necessary, the Requesting Licensee will sever tree roots before grubbing the tree stump, subject to approval from relevant authorities.
- (i) The Requesting Licensee will inform SingTel regarding the dismantling of supports.

- (j) The Requesting Licensee will inform SingTel regarding the back-filling procedure over SingTel's Underground Plant.
- (k) The Requesting Licensee will disseminate information regarding SingTel's service layout to the Requesting Licensee's contractors, sub-contractors and machine operators carrying out the work.
- (l) The Requesting Licensee will submit a work schedule and installation plan to SingTel where works are to be carried out in the vicinity of SingTel's Underground Plant.
- (m) The Requesting Licensee will report immediately on any damage to SingTel Underground Plant at a designated telephone number.
- (n) The Requesting Licensee shall not dig trial holes using JCB or excavator.
- (o) The Requesting Licensee will not carry out any excavation, soil investigation, piling or earthworks in the vicinity of SingTel's Underground Plant without confirming the actual positions of SingTel's Underground Plant.
- (p) The Requesting Licensee will not cover up any of SingTel's Lead-in Manholes with earth or building materials.
- (q) The Requesting Licensee will not take for granted that SingTel's cables are in a straight run.
- (r) The Requesting Licensee will not cover up or attempt to repair any damages to SingTel's Underground Plant but is to report such damages to SingTel immediately.
- (s) The Requesting Licensee will not dismantle any support for SingTel's Underground Plant without informing SingTel and obtaining SingTel's consent.
- (t) The Requesting Licensee must not assume that the depth of SingTel's Underground Plant is not deeper than 1.5 metres.
- (u) The Requesting Licensee will not remove any concrete encasement around SingTel's pipeline after exposing it unless approval from SingTel is given.

- (v) SingTel may, when required, issue reasonable “Do’s and Don’ts” to the Requesting Licensee so as to safeguard SingTel’s Underground Plant and the Requesting Licensee shall comply with such “Do’s and Don’ts”.

ANNEX B - PHYSICAL ACCESS PROCEDURE FOR LEAD-IN MANHOLE

1 GENERAL

1.1 The physical access procedures are applicable to all SingTel Lead-in Manholes for which sharing has been approved for the installation, operation and maintenance of Requesting Licensee's Underground Equipment installed within, attached to or sited upon that Lead-in Manhole, subject to and in accordance with this Annex.

1.2 The Requesting Licensee shall provide to SingTel a master list of persons nominated by it to have physical access to Lead-in Manhole for which sharing has been approved by the SingTel in accordance with the prescribed form in Annex H. The master list shall contain, without limitation, for each person, the following details:

(a) full name; and

(b) company name and license no.; and

(c) IC/Passport no.; and

(d) SIC/SOC no.; and

(e) a copy of SIC/SOC Certificate and its expiry date; and

(e)(f) contact no.; and

(f)(g) fax number.

1.3 The master list provided under clause 1.2 shall be maintained and updated by the Requesting Licensee with a new master list provided to SingTel whenever any amendments are made to the master list.

1.4 The Requesting Licensee shall ensure that its workmen listed in the master list are either Singaporeans, or Singapore Permanent Residents, or holders of valid work permits.

1.5 The Requesting Licensee shall pay the Charge specified in Schedule 9 for SingTel to process the Requesting Licensee's Master List.

1.6 No person will be permitted physical access to SingTel's Lead-in Manhole without being nominated on the master list under clause 1.2 and without a current valid Letter of Authorisation as in Annex G.

2. PHYSICAL ACCESS REQUEST

2.1 Subject to clause 3, where the Requesting Licensee wishes to obtain physical access to the Lead-in Manhole of SingTel, for which sharing has been approved, it must submit a request in writing in accordance with the prescribed form in Annex E not less than five (5) Business Days before the requested physical access date. The request must contain, without limitation:

- (a) the purpose for which physical access is requested; and
- (b) the identity of the senior person who will be present and who will be responsible for the persons who will be physically accessing the Lead-in Manhole; and
- (c) a complete list of the persons (limited to a maximum of eight (8)) who may be physically accessing the Lead-in Manhole on the relevant date of access, from which list a maximum of four (4) persons will be confirmed as being the persons who will be undertaking the physical access in accordance with clause 2.2; and
- (d) an estimate of the time during which physical access is requested; and

(e) the specific Lead-in Manhole to which physical access is requested; and

~~(e) — a copy of each such person's NRIC for Singaporean or Singapore Permanent Resident, or a copy of each such person's Passport and valid foreign worker's work permit if such person is neither a Singaporean nor a Singapore Permanent Resident.~~

(f)

2.2 No later than the day on which physical access to the Lead-in Manhole has been granted but prior to physical access actually being granted, the Requesting Licensee must notify SingTel the names of up to four (4) person(s) from the list in the request made under clause 2.1(c) who will actually be physically accessing the Lead-in Manhole.

2.3 SingTel shall within two (2) Business Days of receipt of a request under clause 2.1, advise the Requesting Licensee of whether the request for physical access has

been approved in accordance with the prescribed form in Annex E. The approval shall be the Letter of Authorisation as in Annex G sent by SingTel by facsimile.

- 2.4 Where SingTel approves a request for physical access each Party will comply with the terms and conditions set out in clause 5.
- 2.5 The Requesting Licensee shall pay the Charges specified in Schedule 9 for SingTel to process a request for physical access.

3. EMERGENCY PHYSICAL ACCESS REQUEST

3.1 The Requesting Licensee shall submit to SingTel a list of designated senior personnel contained listed on the master list who are authorised to request emergency physical access.

3.2 In the event of an emergency where physical access is required by the Requesting Licensee to address the emergency situation, the Requesting Licensee must first obtain SingTel's consent for access by telephone using the designated telephone number of SingTel's Fault Control Centre. If SingTel grants the Requesting Licensee with emergency access, the Requesting Licensee must provide SingTel, via facsimile, a confirmation of emergency access in writing in accordance with the prescribed form in Annex F by the Business Day that follows granting of access.

3.3 The written and verbal emergency physical access request and confirmatory fax under clause 3.2 must specify, without limitation, for each person, the following details:

(a) full name; and

(a)(b) the full name of the requesting party; and

(b)(c) NRIC number for Singaporean or Singapore Permanent Resident, or Passport number and valid foreign worker's work permit number if such person is neither a Singaporean nor a Singapore Permanent Resident; NRIC/Passport number; and

(d) SIC/SOC number; and

(e)(e) contact number; and

- (f) fax number; and
- (d)(g) details of the emergency situation (including whether it is service affecting or non-service affecting); and
- (e)(h) the identity of the senior person who will be present and who will be responsible for the persons who will be accessing the Lead-in Manhole; and
- (f)(i) a complete list of the persons (limited to a maximum of four (4)) who will be accessing the Lead-in Manhole on the relevant occasion of emergency access; and
- (g)(j) an estimate of the time during which physical access is requested; and
- (k) the specific Lead-in Manhole to which physical access is requested; and
- (l) a copy of each such person's NRIC for Singaporean or Singapore Permanent Resident, or a copy of each such person's Passport and valid foreign worker's work permit if such person is neither a Singaporean nor a Singapore Permanent Resident.-

3.4 SingTel shall notify the Requesting Licensee within one (1) hour, of whether the request for physical access has been approved.

3.5 Upon obtaining approval under clause 3.4, physical access will be permitted on an interim basis only. Physical access shall be for a maximum period of eight (8) hours unless otherwise agreed. SingTel shall not withhold its agreement unreasonably.

3.6 Where SingTel approves a request for physical access each Party will comply with the terms and conditions set out in clause 5.

3.7 Where, in an emergency situation, both SingTel and the Requesting Licensee require physical access to undertake corrective action, SingTel has priority with the Requesting Licensee's knowledge.

3.8 The Requesting Licensee shall pay the Charge as specified in Schedule 9 for SingTel to process a request for emergency physical access.

4. REJECTION OF PHYSICAL ACCESS REQUEST

4.1 SingTel may reject a request for physical access other than a bona fide emergency physical access request under clause 3, or revoke an approval for physical access where:

- (a) the request is not in the prescribed form and does not contain all the required information; or
- (b) the request is for physical access to Lead-in Manhole for which sharing has not been approved; or
- (c) the persons listed on the request do not appear on the master list or SingTel has advised that the person(s) listed have been barred either by SingTel or the relevant authorities; or
- (d) any person listed on the request is not Singaporean, Singapore Permanent Resident or a holder of a valid foreign worker's work permit; or
- (e) the SIC/SOC Certificate of any person listed on the request has expired; or
- (f) SingTel has scheduled work for the time specified by the Requesting Licensee in the request; or
- (g) SingTel determines that the physical access or work to be performed by the Requesting Licensee as specified in the request may breach clause 5.2; or
- (h) SingTel determines that the area is unsafe or
- (i) the Requesting Licensee is in breach of this Schedule and such breach continues and remains unremedied at the time of the request for physical access.

4.2 If SingTel rejects a request for physical access under clause 4.1, SingTel shall provide the Requesting Licensee with its reasons for rejection.

5. CONDITIONS OF PHYSICAL ACCESS

5.1 SingTel may refuse any person physical access to, or require that person to be removed, from the site where:

- (a) that person cannot, upon request, produce a current valid Letter of Authorisation; and any identification card which is issued by SingTel or

- (b) SingTel has previously notified the Requesting Licensee of problems with that person (eg. the person has breached safety requirements or Standard Operating Procedures); or
- (c) the person has been barred under clause 5.8 or
- (d) where in the opinion of SingTel, the person's action may cause damage to SingTel's properties or may compromise or threaten safety.

5.2 The Requesting Licensee must not do or omit to do anything in connection with gaining physical access which may:

- (a) threaten the safety of SingTel's employees, customers or third persons; or
- (b) interfere physically or electrically with the delivery of telecommunications services supplied or to be supplied by SingTel; or
- (c) jeopardise the integrity or confidentiality of communications within SingTel's Network; or
- (d) threaten the security of SingTel's Lead-in Manhole; or
- (e) cause damage to SingTel's Lead-in Manhole.

5.3 The Requesting Licensee must ensure the following:

- (a) only persons with a current and valid Letter of Authorisation can gain physical access; and
- (b) physical access is gained only to the Lead-in Manhole or part thereof for which approval has been granted; and
- (c) each person gaining physical access signs a log book maintained by the Requesting Licensee in which is recorded the full name of the person, IC/Passport no., date and time of entry and departure from the Lead-in Manhole; and
- (d) the applicable Standard Operating Procedures are followed and any written instructions (relating to particular circumstances not covered by the Standard Operating Procedures); and
- (e) the Lead-in Manhole is left in a safe and tidy condition and

- (f) the Requesting Licensee's senior person informs SingTel when work has been completed and all Requesting Licensee personnel have left the facility.
- 5.4 No still, motion or digital cameras, film, negatives, tape or digital recorders, explosives, inflammables, cigarettes, lighters and equipment with electromagnetic emissions or radiation are allowed in Lead-in Manhole.
- 5.5 SingTel may inspect the logbook referred to in clause 5.3 at any time.
- 5.6 Where, for whatever reason, the Requesting Licensee decides that a person nominated by it should no longer be permitted physical access it must immediately notify SingTel and provide an updated master list.
- 5.7 SingTel may terminate physical access to a specific Lead-in Manhole where:
 - (a) the physical access causes or is likely to cause physical or technical harm to any telecommunications network, system or services (whether of SingTel or any other person) including but not limited to causing damage, interfering with or causing deterioration in the operation of SingTel's Network; or
 - (b) that the area is unsafe; or
 - (c) that the Requesting Licensee is in breach of clause 5.2 or 5.3.
- 5.8 Without prejudice to any other rights SingTel may have (whether under contract, at law, or in equity), where the Requesting Licensee or its agents or contractors:
 - (a) gains unauthorised entry to any Lead-in Manhole or part thereof; or
 - (b) uses, or attempts to use, the Letter of Authorisation for any purpose other than the purpose for which approval was granted,physical access may be immediately terminated and the person(s) will henceforth be barred from entering any facilities of SingTel.
- 5.9 The Requesting Licensee must not grant a third person physical access to Lead-in Manhole to which the Requesting Licensee has been granted physical access under this Annex. For the avoidance of doubt in the context of this clause the term "third person" does not include the Requesting Licensee's contractor.

6. COMPLIANCE WITH THE WORKPLACE SAFETY AND HEALTH ACT (CHAPTER 354A)

6.1 SingTel and the Requesting Licensee acknowledge and agree that:

(a) for the purpose of the Workplace Safety and Health Act (Chapter 354A), the lead-in manholes are a “factory” and therefore, a “workplace” (as those terms are defined in the Workplace Safety and Health Act (Chapter 354A)); and

(b) SingTel and the Requesting Licensee each have various responsibilities and obligations under the Workplace Safety and Health Act (Chapter 354A) in relation to the lead-in manholes.

6.2 The Requesting Licensee will procure that itself and its contractors, when accessing the lead-in manholes, will comply with the following:

(a) the various responsibilities and obligations under the Workplace Safety and Health Act (Chapter 354A), on the basis that the lead-in manholes are a “factory” and, therefore, a “workplace” (as those terms are defined in the Workplace Safety and Health Act (Chapter 354A)), and any subsequent amendment thereof; and

(b) all relevant instructions or requirements issued by the Authority or any other relevant Government Agency from time to time with regards to safety at workplace.

ANNEX C – STANDARD OPERATING PROCEDURES FOR WORKING IN MANHOLE AND CABLE PULLING

INTRODUCTION

This Annex provides the Standard Operating Procedures for a) Working inside SingTel's Lead-in Manholes and b) Cable pulling inside SingTel's Lead-in Manhole.

1 WORKING INSIDE SINGTEL LEAD-IN MANHOLE

- 1.1 The Requesting Licensee shall place all approved temporary road signing equipment such as signboards, barricades, traffic cones, blinker lamps, revolving lamps bearing the logo and names of the Requesting Licensee and its contractor at the site in advance of, and/or for the duration of its works, in accordance with the LTA Temporary Signing Manual (1988 edition) or as superseded by the Code of Practice For Temporary Traffic Control issued by LTA which shall be the duty of the Requesting Licensee to ascertain in respect thereof and any subsequent amendment thereof as a minimum requirement and if the site condition is extra hazardous due to high speed traffic, road bend, road incline, obstruction by shrubs or trees, and the like, additional temporary road signing equipment shall be provided and placed by the Requesting Licensee to mitigate the effect of such hazards.
- 1.2 The Requesting Licensee shall remove all debris from inside of the Lead-in Manhole.
- 1.3 The Requesting Licensee shall ensure that the Lead-in Manhole and its surrounding area are cleaned and flammable or toxic material is not left in or around the Lead-in Manhole. The Requesting Licensee shall also ensure that the Lead-in Manhole covers are flushed with the surface when closed. All debris and leftover materials resulting from its works shall be removed from the inside of the Lead-in Manhole.

2 CABLE PULLING INSIDE SINGTEL'S LEAD-IN MANHOLE

- 2.1 The Requesting Licensee must also provide detailed information on the work method statement for cable and sub-duct pulling for SingTel's approval. The information shall include the work method statement on how the Requesting Licensee can prevent damage to SingTel's existing cables found inside the Lead-in Manholes that is consistent with SingTel's guidelines in Annex I.

- 2.2 The Requesting Licensee shall ensure that its cable is laid against one side of the wall and supported on its own cable bearers in the Lead-in Manhole provided space is available for installation of the cable bearers. The Requesting Licensee shall ensure that its cable is properly secured to the cable bearers at all times.
- 2.3 The Requesting Licensee shall ensure that its cable and sub-Duct do not cause obstruction in the Lead-in Manhole. The Requesting Licensee shall remove such obstruction immediately when instructed by SingTel to do so.
- 2.4 The Requesting Licensee is not required to install its sub-Ducts but it may install its own sub-Ducts for which it shall be fully responsible.
- 2.5 The Requesting Licensee shall submit to SingTel for approval, the manufacturer's detailed information, type, size and sample of the sub-Duct to be used. Approval shall not be unreasonably withheld.
- 2.6 On the cable sheath, the Requesting Licensee shall clearly identify the Requesting Licensee at 1m intervals. The Requesting Licensee shall use a different colour from SingTel for the strip along the entire length of the cable for cables to be installed.
- 2.7 The Requesting Licensee must not construct or place any cable joint inside SingTel's Lead-in Manhole.
- 2.8 The Requesting Licensee shall use SingTel approved gas and watertight duct seal to reinstate affected duct seal(s) in SingTel's Lead-in Manhole after cable pulling work. Where, during the course of installation, the Requesting Licensee causes any damage to SingTel's Underground Plant, the Requesting Licensee must report the damage immediately to SingTel. The Requesting Licensee shall not attempt to repair SingTel's damaged Underground Plant. SingTel shall rectify any damage in any way it deems fit, the reasonable cost and expense for the repair thereof shall be recovered from the Requesting Licensee.